Book No 3

COLLECTION NUMBERS of

H. A. ALLARD

3421 - 4766

3 Allard Field Notes 3421-4766

Gunpowder Cave is at foot of limestone cliffs near top of Cave Mt, Pendleton Co., West Va. at 2500 ft. contour in New Scotland limestone of the Helderberg series, Lower Devonian age, August 3, 1937 under Sedum telephium. Examined August 30, 1937 all the plant dry except the main stem. although kept in the dark this had developed flowers at the base, pure white, etiolated, showing how completely the entire stem was in the flowering condition.

In event of death turn this book over to Mr. E. C. Leonard of the U.S. National Herbarium. H. A. Allard.

a brown-headed (apothecia) Cladonia with squamulae between brown apothecia = C. strepsilis. a red apothecial species is C. cristatella = strepsilis. One with apothecial cups in stories on stipes = C. verticillata.

See omissions to be named in list in book by Mr. Leonard.

Allard, H. A. Md., Va., W. Va. 1937-1938.

Book 3.

Field Notes nos. 3421 - 4766.

4470 = Cladonia cristatella f. vestita Tuck.
4470a = " apodocarpa Robbins (in part)
4470b = " macilenta Hoffm (K plus, P. plus) ~~but very~~ but very scanty.
~~4470c = " chlorophaea (Floerke) Spreng, and f. pleurota "a" (Floerke) Schaer.~~
4470c = C. chlorophaea f. simplex (Hoffm.) Arn.
4471 = C. cristatella f. vestita Tuck.
4471a = C. chlorophaea (Floerke) Spreng and Cladonia pleurota "a" (Floerke) Schaer.
4471b = C. furcata (Huds.) Schrad., probably but scanty and not very distinctive.
4566 = C. verticillata f. evoluta (Th. Fr.) Stein.
4566a = C. " " " and f. phyllocephala (Flot.) Oliv.
4566b = C. verticillata f. " " "
4568 = C. verticillata f. evoluta (Th. Fr.) Stein and f. phyllocephala (Flot.) Oliv.
4568a = C. verticillata f. evoluta + f. phyllocephala (Flot.) Oliv. " " "
4568b = C. " f. apoticta (Ach.) Wain.
4569b C. coniocraea f. ceratodes (Floerke) Wain and f. truncata (Floerke) Wain, and f. pycnotheliza (Nyl.) Wain
4572 = C. grayi f. simplex Robbins and C. chlorophaea (Floerke) Spreng.
4572a = C. cristatella f. beauvoisii (Del.) Wain and f. vestita Tuck.
4572b = C. grayi f. squamulosa Sandst.
4572c = C. macilenta Hoffm.
See 4096 - is its authority (Neck.) Hoffm.?

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See 3417 & 3541 - Sedum telephioides?

see 4055 Cladonia sp.
" 4074 "

see 4165 authority.
" 4298 "

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[illegible] (Del.) Wain
[illegible]
[illegible] Sandst.
[illegible]
[illegible] fen. ?

Bench mark 25 ft north of U.S. Coast and Geodetic survey mark of Bull Run 2 according to them 1-11-38 is 1375 ft. high.

To Devils Hole Mt., Va May 8, 1938 with J.C. Lassitzer and Jack.

To Short Mt, Massanutten and Devils Hole Mt. Va April 30 & May 1. 1938. with K——

To Short Mt., Massanutten Range April 24, 1938 with J.C. Lassitzer and his son Jack.

all Cyperaceae in this book identified or checked by Dr. F. J. Hermann of U.S.D.A. (see lists)

Cetraria islandica first found in Massanutten Mts, Va., south end of Short Mt., Va. Aug. 15, 1937 = # 3558

Malus glaucescens Rehder. see # 3895, 4464
My first record Dec. 5, 1937 (# 3895)

Pinus rigida forma globosa # 4351

Cetraria islandica (L.) Ach. on Mt. Elliott, = # 3908; also on Short Mt., Massanutten = # 4475B, 4476, 4661

B-2-B-1

Manufactured by
U. S. Government Printing Office

Red birch is abundant along the stream at Aldie, Va.

Changed name of ~~Crataegus~~ viridis # 3450 to C. margaretta ashe May 1, 1940 on recommendation of E. C. Leonard.

Eleocharis engelmanni Steud — Bull Run Mts, Aug 5, 1937

at Hopewell Gap, Prince William Co.

3421 at rock cut on the — H. A. Allard. e
(1) strata are distorted, wet pools at foot. abundant here; green frogs abundant also in pools. Ident. by F. J. Hermann

3422 Rhynchospora ~~capitellata~~ capitellata (Michx.) Vahl — Bull Run Mts. Aug. 5, 1937 Prince William Co H. A. Allard. e
(5) Growing in damp soil near # 3421; abundant
= ~~R. glomerata var. minor Britton~~ Identif. by F. J. Hermann

3423 Umbelliferae = Angelica villosa (Walt.) B.S.P. — ditto e
(1) waste ground in old field s. of Hopewell Gap east slope ~~near~~ near Mr Costello's.

3424 Polygonum Persicaria pennsylvanica (L.) Small — ditto
(1) In Mr. Costello's cornfield near # 3423: abundant e full bloom.

3425 ~~Monarda~~ Koellia pycnanthemoides (Leavenw.) Kuntze — ditto e
(1) In high pasture above stone crusher south of Hopewell Gap abundant; full bloom.

3426 Chenopodium album L — ditto
(1) Growing in cornfield with # 3424 e abundant

3427 Cyperus filiculmis Vahl. — ditto
(1) Growing on edge of cornfield with # 3424: abundant e

3428 Strophostyles ~~Galactia volubilis~~ (L.) Britton — ditto e
(1) In old broomsedge field S. of Hopewell Gap, east slope of High Point ridge.

3429 Panicum microcarpon Muhl. — ditto e
(1) In damp woods at cold spring at foot of east slope below High Point near valley road from Jackson's Hollow.

Chrysosplenium americanum Schwein. — Bull Run Mt. Prince William Co. Aug. 5, 1937 H.A. Allard.
In water at spring near #3429
abundant here

3430 (1) — e

Orchidaceae
3431 In wet mossy bank at spring above near #3430
(1) scattered; full bloom
Habenaria clavellata Spreng. — ditto e

3432 Hydrocotyle americana L.
In water and mud with
(1) #3430; abundant. — ditto e

3433 Erechtites hieracifolia (L.) Raf.
Moist woods east slope in
(1) clearing below High Point.
abundant; full bloom — ditto e

3434 Polygonum
white fl. Persicaria hydropiper L. 10 hig. — ditto
(1) Damp open spot in woods near
#3433 abundant; full bloom — e

3435 Gramineae
(2) East slope below High Point,
in woods
= Muhlenbergia tenuiflora (Willd.) B.S.P. — ditto e

3436 Panicum boscii Poir. — ditto
(3) Growing near #3435 — e
scattered in woods here.

Helianthus — Bull Run Mt. Fauquier Co., east slope of High Point ridge Aug. 5, 1937 H.A. Allard.

3437 Plant A.
(1) wet swampy woods
above old house.
= Silphium trifoliatum L. — e

3438 Botrychium virginianum (L.) Sw. — ditto
In damp woods at head
(1) of swampy run above old
house: abundant; past — e

3439 Botrychium obliquum Muhl. — ditto
(1) Rich woods near #3438
abundant — e

3440 Mimulus alatus Soland. — ditto
(2) wooded swamp above, with
#3438 and #3437 — e
abundant; full bloom

3441 Gramineae — ditto
(3) In same wooded swamp — e
with #3437
occasional — Cinna arundinacea L. — e

3442 Fern Athyrium acrostichoides (Sw.) Diels. — ditto
(6) In swampy woods above
with #3437; scattered — e

3443
(3) Fern. — ditto
Growing with #3442 — e
abundant
= Dryopteris goldiana (Hook.) Gray.

~~Cornus~~ maculat~~a~~ L — Bull Run Mt
Cicuta
~~In wooded swamp~~ — Fauquier Co., near slope below High Point, aug. 5, 1937, H.A. Allard.

3444 above old house - springy, wet.
(1) scattered.
e

3445 Urticaceae — ditto
(2) Growing near # 3444
abundant; full bloom.
= Boehmeria cylindrica (L.) Sw.
e

3446 Panicum polyanthes Schult. — ditto
(1) Growing in same swamp with # 3444
e

3447 Orchidaceae — ditto
(1) Growing with # 3444
scattered in bog here
= Habenaria clavellata Spreng.
e

3448 Arctium minus Schk. — ditto
(3) waste ground around old house below High Point: abundant: full bloom.
e

3449 Polygonaceae — ditto
(1) Growing near # 3448
scattered: full bloom
= Tovara virginiana (L.) Raf.
e

3450 Crataegus ~~viridis L.~~ margaretta Ashe — ditto
(3) ~~In~~ dist. pasture S. of Hopewell Gap covered with broom sedge etc. beyond where Riley's now live.
scattered here.
e

Crataegus ~~stramin~~ea Beadle — Bull Run Mt, Fauquier Co., near slope, aug. 5, 1937, H.A. Allard
In same pasture with # 3450

3451
(1) occasional.
e

Fraxinus americana L. — ditto

3452 On same pasture slope
(3) near # 3451; scattered
e

3453 Oenothera biennis L. — ditto
(1) In same pasture (brown sedge)
near # 3451
abundant: full bloom
e

3454 Prunus americana Marsh. — ditto
(2) On same pasture slope
near # 3451: scattered: fruit ripens red or reddish: low shrubs.
e

3455 Hieracium gronovii L. — ditto
(2) In same brown sedge pasture with # 3451: frequent; full bloom.
e

3456 Solidago juncea Ait — ditto
(2) On same pasture slope with # 3451: abundant: full bloom.
e

3457 ~~Monarda~~ Ruellia pycnanthemoides (Leconte) Kuntze — ditto
(1) On same pasture slope with # 3451
abundant: full bloom.
e

3458 (2) Prunus americana Marsh. In old broomsedge pasture beyond where Riley's ... line. occasional: fruited when ripe. Bull Run Mt. Fauquier Co., west slope south of Hopewell Gap on High Point ridge Aug. 5, 1937 H.A. Allard

3459 (1) Crotalaria sagittalis L. In same pasture with #3458: abundant on dry, bare areas here: full bloom. ditto

3460 (4) Juncus biflorus L. wet ground by roadside abundant locally (ident. by F.J. Hermann) Near Merrifield Fairfax Co., Va Aug. 5, 1937. H.A. Allard.

3461 (2) Polygala ~~mariana~~ sanguinea L. In park where battlefield was - moist ground abundant; (Numbered out of date order) Bull Run Park Aug 4, 1937 H.A. Allard

3462 (3) Helianthus decapetalus L. Bull Run Mt. at Bull Run Creek above bridge in low ground along stream here (Collecting with Gurney in nighttime) Aug. 4, 1937 Triassic area: full bloom.

3463 (1) Euphorbiaceae Roadside near Antioch, full bloom = Chamaesyce preslii (Guss.) Arthur. Bull Run Mt., Va Prince William Co., Aug. 8, 1937. H.A. Allard.

3464 (1) Hypericum mutilum L. Hopewell Gap. at rock cut, moist soil by pools. ditto

3465 (3) Eupatorium coelestinum L. Old field near Falls Church Arlington Co. full bloom: abundant. Bull Run Mt. Prince William Co., Aug. 8, 1937. H.A. Allard.

3466 (2) Juncus macer S.F. Gray Growing in moist soil with #3464 (ident. by F.J. Hermann) ditto

3467 (2) ~~Monarda~~ Koellia incana (L.) Kuntze. Triassic area, by roadside near Antioch woods. full bloom: abundant ditto

3468 (2) Juncus marginatus Rostk. Hopewell Gap at rock cut, damp soil by pools. (ident. by F.J. Hermann) ditto

3469 (1) Panicum columbianum Scribn. Growing near #3468 ditto

3470 (2) ~~Syntherisma~~ Growing near #3468 = Digitaria sanguinalis (L.) Scop. ditto

3471 (1) Juncus acuminatus Michx. Growing near #3468. (ident. by F.J. Hermann) ditto

Eleocharis obtusa (Willd.) Schultes — Bull Run Mt. Prince William Co. Aug. 8, 1937 H.A. Allard.

3472 (1) Growing in water at Hopewell Gap, at rock cut, in pools here. e

3473 Eleocharis engelmanni Steud. ditto
VI Growing with # 3472 (Ident. by F. J. Hermann) e

3474 Carex lurida Wahl
(2) Growing near # 3472, in wet soil (Ident. by F. J. Hermann) ditto e

3475 Juncus acuminatus Michx. ditto
VI Growing with # 3472 (Ident. by F. J. Hermann) e

3476 Eleocharis engelmanni Steud. ditto
(2) Growing with # 3472 (Ident. by F. J. Hermann) e

Lobelia inflata L.
3477 Growing in damp soil ditto e
(3) near # 3472
full bloom

3478 Potentilla monspeliensis L. ditto
Growing in damp soil e
(1) near # 3472.

~~Ludwigia~~ Lindernia alternifolia L. — Bull Run Mt. Prince William Co. Aug. 8, 1937 H.A. Allard.
= ~~Ludwigia~~
3479 Damp soil near # 3477
VI full bloom ~~Epilobium coloratum~~ Muhl. e

3480 Epilobium coloratum Muhl. ditto
(2) Damp soil at rock cut, Hopewell Gap, e

3481 Hypericum mutilum L. ditto
VI wet soil with 3477 e

Gramineae ? Leersia virginica Willd.
3482 swamp woods below Mrs. Ashby's ditto
VI place; 1 mi. N of Antioch on Antioch
Aldie road e

3483 ~~Gramineae~~ Scirpus cyperinus (L.) Kunth. ditto
2 Growing ~~with # 3482~~ at Hopewell Gap at in wet soil pools at foot of rock cut. (Ident. by F. J. Hermann) e

Rhynchospora ~~glomerata var. minor Britton~~
3484 Growing with # 3483 ditto
(2) (Ident. by F. J. Hermann) e
= R. capitellata (Michx.) Vahl.

3485 Scirpus ~~cyperinus~~ polyphyllus Vahl ditto
VI Growing with # 3483
damp soil (Ident. by F. J. Hermann) e

Orchidaceae

Bull Run Mt
Prince William Co
Aug. 8, 1937
H.A. Allard

3486 at spring at foot of large dead Chestnut tree at Allen's place (colored) next
(1) of Mrs Ashby's, 1 mi. N. of Antioch on
✱ 600 to Aldie. damp soil.
= Habenaria clavellata Spreng.
e

3487 Scirpus cyperinus (L.) Kunth.
ditto
(2) At rock cut, Hopewell Gap
in wet soil by roads here; many green frogs croaking, their eggs and tadpoles here.
(Ident. by F.J. Hermann)
e

3488 Scirpus polyphyllus Vahl.
ditto
(1) In swamp woods by brook below Mrs. Ashby's home 1 mi N. of Antioch on ✱ 600 to Aldie
(Ident. by F.J. Hermann)
e

3489 ~~Scirpus~~
ditto
(1) Growing near ✱ 3488
Leersia virginica Willd.
e

3490 Juncus scirpoides Lam.
ditto
(1) Growing with ✱ 3487
wet soil (Ident. by F.J. Hermann)
e

3491 Scirpus polyphyllus Vahl.
ditto
(1) Growing with ✱ 3487
wet soil (Ident. by F.J. Hermann.
e

3492 Gramineae
ditto
(1) Growing with ✱ 3488
= Cinna arundinacea L
e

Scirpus cyperinus (L.) Kunth

Bull Run Mt.
Prince William Co.
Aug. 8, 1937
H.A. Allard.

3493 Growing with ✱ 3487
(1) wet soil
(Ident. by F.J. Hermann)
e

Carex strigosus L.

3494 Growing with ✱ 3487
ditto
(2) wet soil
(Ident. by F.J. Hermann)
e

Juncus scirpoides Lam.

3495 Growing with ✱ 3488
ditto
(1) (Ident. by F.J. Hermann)
e

Aster ~~infirmus~~ umbellatus Mill.

3496 Growing near ✱ 3486
ditto
(2) in thicket by spring.
full bloom; scattered.
e

3497 Gramineae.
ditto
(3) Growing with ✱ 3488
Cinna arundinacea L
e

Dryopteris noveboracensis (L.) Gray.

3498 Growing with ✱ 3488: abundant
ditto
(1)
e

Prenanthes ~~serpentaria~~ trifoliata (Cass.) Fernald.

3499 Growing with ✱ 3488
ditto
(1) scattered: full bloom.
e

3500 Hieracium paniculatum L. — Bull Run Mt., Prince William Co., Aug. 8, 1937 H. A. Allard.
(1) In wooded swamp by brook below Mrs. Ashbye 1 mi. N. of Hopewell Gap on route # 600 to Aldie
abundant in damp woods: full bloom — e

3501 Rhynchospora ~~glomerata var minor Britton~~ — ditto — e
(1) Near spring at foot of fringe dead chestnut tree at foot of slope beyond Allen's (colored), west of Mrs. Ashby. damp soil. (Ident. by F. J. Hermann)
= R. capitellata (Michx.) Vahl.

3502 Mimulus alatus Soland. — ditto — e
(1) Growing with # 3500:
scattered: full bloom.

3503 Fagus grandifolia Ehrh. — ditto — e
(2) Growing with # 3500
scattered.

3504 Dryopteris noveboracensis (L.) Gray. — ditto — e
(1) Growing near # 3501,
by brook in thicket.

3505 Athyrium asplenioides (Michx.) Desv. — ditto — e
(2) Growing with # 3501
abundant in damp woods

3506 Juncus acuminatus Michx. — ditto — e
(1) at rock cut, Hopewell Gap
in wet soil by muddy pools here
(Ident. by F. J. Hermann)

3507 Rhynchospora ~~glomerata var minor Britton~~ — Bull Run Mt., Prince William Co., Aug. 8, 1937 H. A. Allard — e
(2) Growing with # 3506
abundant here in wet soil
(Ident by F. J. Hermann)
R. capitellata (Michx.) Vahl.

3508 Cyperus flavescens L. — ditto — e
(2) Growing with # 3507
(Ident. by F. J. Hermann)

3509 Tracaulon arifolium (L.) Raf. — ditto — e
(3) Growing with # 3500
abundant: full bloom

3510 Scutellaria lateriflora L — ditto — e
(4) Growing with # 3500
full bloom: my first record.
Plants 4-4½ feet tall

3511 Mimulus alatus Soland. — ditto — e
(1) Growing with # 3500
scattered: full bloom

3512 Agrostis perennans (Walt.) Tuckerm. — ditto — e
(2) Damp soil near # 3506

3513 ~~Woodwardia~~ Lorinseria areolata (L.) Presl. — ditto — e
(5) Growing with # 3500.
Large colonies here: my first record in Bull Run.

Dryopteris noveboracensis (L.) Gray
at spring by chestnut tree
at Allen's, east of
3514 Mrs. Ashby's.
(1) Thicket by brook here

Bull Run Mt
Prince William Co
Aug. 8, 1937
H.A. Allard. e

~~Dryopteris~~
3515 Growing near # 3514
(2) abundant.
= Athyrium asplenioides (Michx.) Desv.
ditto e

Hypericum mutilum L.
3516 Growing near # 3514
(1) full bloom
ditto e

~~Apios tuberosa~~
3517 Growing near # 3514
(1) full bloom.
scattered. = Glycine apios L.
ditto e

Xyris flexuosa Muhl.
3518 Growing beside brooklet
(1) near # 3514
My first record in Bull Run; local
fl. yellow
ditto e

3519 Gramineae
(9) Growing in damp thicket
near # 3514
= Panicum anceps Michx.
ditto e

3520 Paspalum pubescens Muhl.
(5) Growing in pasture
near # 3514
ditto e

Rhynchospora ~~[illegible]~~ Bull Run Mt
~~[illegible]~~ Prince William Co.
3521 Growing in damp Aug. 8, 1937
(1) soil near # 3514 H.A. Allard.
(Identify by F. J. Hermann)
R. capitellata (Michx.) Vahl. = changed from above)
e

Monarda
= ~~Koellia pycnanthemoides~~ (Leavenw.) Kuntze
3522 Growing in pasture near
(2) Allens formerly cultivated,
just east of Mrs. Ashby's.
1 mi N. of Hopewell Gap (Antioch)
abundant; full bloom.
ditto e

3523 Lechea racemulosa Lam.
(2) Growing near # 3522
abundant
ditto e

3524 Stylosanthes
(4) Growing near # 3522
abundant: full bloom
ditto e

3525 Polygala incarnata L
(1) Growing near # 3522
scattered - local: full bloom.
ditto e

3526 Umbelliferae
(3) Growing near # 3522
scattered: full bloom
= Oxypolis rigidior (L.) Raf.
ditto e

3527 Castanea pumila (L.) Mill.
(2) Growing near # 3522
abundant.
ditto e

Old field at Allen's house (colored) just next — Bull Run Mt., Prince William Co. Aug. 8, 1937 H.A. Allard

3528 Solidago nemoralis Ait.
(2) full bloom or nearly so: abundant — e

3529 Eragrostis spectabilis (Pursh) Steud. — ditto
(3) Growing with * 3528 — e

3530 Solidago juncea Ait. — ditto
(1) Growing with * 3528
full bloom: abundant. — e

3531 Aletris farinosa L. — ditto
(2) Growing with * 3528:
abundant here; past bloom — e

3532 Eupatorium ~~perfoliatum~~ hyssopifolium L. — ditto
(4) Growing with * 3528
scattered here: my first record in Bull Run: full bloom or nearly so — e

3533 Panicum meridionale Ashe. — ditto
(2) Growing with * 3528 — e

3534 Diodia teres Walt — ditto
(1) Growing with * 3528
abundant: full bloom in dry, barren soil here as a thick mat. — e

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3535 Eupatorium perfoliatum L. — Bull Run Mt., Prince William Co. Aug. 8, 1937 H.A. Allard
(2) damp ground near * 3528
abundant: full bloom — e

3536 Rhus copallina L. — ditto
(1) Old field near * 3528
abundant: full bloom; some with young fruit
past bloom at Wash. D.C. some time — e

3537 Erigeron canadensis L. — ditto
(1) Growing near * 3528
abundant; full bloom
a waste ground weed. — e

3538 Oenothera biennis L. — ditto
(3) Growing near * 3528
abundant here; full bloom — e

3539 ~~Polygonum~~ Persicaria punctata (Ell.) Small. — ditto
(2) Growing in damp spot near * 3535: abundant: full bloom — e

3540 Alisma ~~plantago-aquatica~~ subcordatum Raf. — ditto
(2) Growing in swamp woods by brook near Mrs Ashby's on * 600 1 mi. N. of Antioch.
occasional: my first Bull Run record
full bloom; a few plants. — e

3541 Sedum telephium L.
(1) Original plants (few stems) found on east slope of High Point, Ridge in woods (see identif.) This taken to greenhouse. Prince William Co.
Specimen here, gathered Aug. 3, 1937. * see front of book for note
Leonard calls this S. telephioides Michx H.A. Allard — e

Gaura biennis L. | ~~Bull Run~~ Massanutten Mt. Va Powells Fort Valley Aug. 14, 1937 H. A. Allard.

3542 at fish ponds, low ground; full bloom fl. pink. abundant
(4)

e

Mentha arvensis L

3543 Growing near #3542 abundant; full bloom
(4)

ditto e

Lycopus americana Muhl.

3544 Growing near #3542 abundant; full bloom
(3)

ditto e

Apocynum medium Greene

3545 On dry shales above fish ponds; abundant; passing bloom
(2)

ditto e

Solidago ulmifolia Muhl.

3546 dry shales near # 3545 abundant: full bloom.
(1)

ditto e

~~Polygonum~~

3547 On dry shales near # 3545.
(1) Tiniaria convolvulus (L.) Webb & Moq.

ditto e

Mollugo verticillata L

3548 on dry shales near # 3545 abundant
(3)

ditto e

~~Lechea~~ | Massanutten Mts, Va. Powells Fort Valley Aug. 14, 1937 H. A. Allard.

3549 On shales near # 3545: abundant
(1) Amydria polygonoides Raf.

~~Dianthus barbatus~~

3550 On shales near # 3545 abundant: full bloom
(2) Hedeoma pulegioides (L.) Pers.

ditto e

Houstonia longifolia Gaertn.

3551 On shales with # 3545 abundant: full bloom
(1)

ditto e

Cheilanthes lanosa (Michx.) Watt.

3552 on shales with # 3545 abundant here
(1)

ditto e

Polygonum tenue Michx.

3553 on dry shales with # 3545 abundant here above fish ponds.
(2)

ditto e

Eupatorium urticaefolium var. villicaule Fernald

3554 Low ground near fish ponds; abundant: full bloom
(2)

ditto e

Asclepias incarnata L

3555 Growing with # 3554 abundant: full bloom.
(1)

ditto e

Coreopsis tripteris L — Massanutten Mt. Fowells Fort Valley aug. 14, 1937 H.A. Allard

3556 Low grounds near fish ponds; abundant. full bloom
(2)

3557 Gramineae = Andropogon furcatus Muhl. — ditto
(5) Growing beside # 3556. Large clumps, dense. — e

3558 Cladonia cristatella f. vestita Tuck. — 3558a = Cetraria islandica (L.) Ach — aug. 15, 1937
Reindeer moss.
(1) On shales of low slopes of Short Mt., near Mt. Jackson, Va. Very abundant here. — e
Ident. by W. W. Diehl. (First record for Va)

3559 Cladonia sp. — c = chlorophaea (Floerke) Spreng. — Massanutten Mts Va Short Mt. near Mt. Jackson aug. 15, 1937 H.A. Allard
(1) On lower slopes, shales of Short Mt.
3559a = C. cristatella f. vestita Tuck.
Cladonias very abundant here.

3560 Rudbeckia triloba L — ditto — e
(2) Low ground by roadside near foot of Short Mt., near Mt. Jackson. Very abundant; full bloom

3561 Gaura biennis L — ditto — e
(3) Growing near # 3560 abundant; full bloom.

3562 Labiateae — ditto — e
(1) On shales of Short Mt., near Mt. Jackson.
Isanthus brachiatus (L.) B.S.P.

3563 Kuhnia eupatorioides L — Massanutten Mt., Short Mt., near Mt. Jackson, Va aug. 15, 1937 H.A. Allard — e
On shales; abundant; full bloom
(3)

3564 Rhus canadensis — ditto — e
(1) fruit red, hairy; strong scented leaves; non poisonous. On shales near # 3563: abundant
Schmaltzia crenata (Mill.) Greene)

3565 Crataegus straminea Beadle — ditto — e
(1) On shales with # 3563

3566 Crataegus uniflora Moench. — ditto — e
(1) On shales with # 3563

3567 Allium cernuum Roth — ditto — e
(3) On shales with # 3563 abundant here; full bloom

3568 Solidago ulmifolia Muhl. — ditto — e
(2) On shales with # 3563 abundant: full bloom, (a form of)

3569 Arabis — ditto — e
(1) On shales with # 3563 abundant; past bloom.
Draba ramosissima Desv.

3570 Selaginella rupestris (L.) Spring Massanutten Mts, Va
(1) on rocks and shales half way up slope: not abundant here
Short Mt., near Mt. Jackson Aug. 15, 1937 H.A. Allard e

3571 Bidens bipinnata L. ditto
(2) on shales near # 3570 abundant e e

3572 Sanicula canadensis L. ditto
(2) On wooded slope of Short Mt., abundant e

3573 Cirsium lanceolatum (L.) Hill. ditto
(1) South slope of Short Mt., near Mt. Jackson: abundant: full bloom e

3574 Aster macrophyllus L. ditto
(1) In ravine at foot of Short Mt: abundant: full bloom e

3575 Lactuca saligna L. ditto
(2) Roadside near # 3574 e

3576 Gramineae Bull Run Mts, Va
(2) damp soil by roadway near spring here
Thoroughfare Gap Aug. 15, 1937 H.A. Allard e
Agrostis perennans (Walt.) Tuckerm.

3577 Juncus marginatus Rostk. Bull Run Mts. Thoroughfare Gap, Aug. 15, 1937
(1) damp soil growing near # 3576
(Ident. by F. J. Hermann) e

3578 Polygonum ditto
(1) Damp soil by roadside near # 3576 e
= Persicaria pensylvanica (L.) Small.

3579 Dianthera americana L. ditto
(2) In water of Broad Run Creek at Thoroughfare Gap abundant here; past bloom e

3580 Sagittaria pubescens Muhl. ditto
(2) Damp spot, roadside at Thoroughfare Gap. past bloom. e

3581 Labiatae Mentha arvensis L. ditto
(1) Damp soil near Broad Run Creek. abundant: full bloom e

3582 ~~Cyperus~~ Scirpus cyperinus (L.) Kunth. ditto
(2) Growing near # 3580 abundant
(Ident. by F. J. Hermann. e

3583 Centaurea maculosa Lam
(3) Original plants found on Triassic area near Aldie in April and bloomed in Allard's garden. The specimen here gathered Aug. 15, 1937 in full bloom. e

Oenothera biennis L.
In Allard's garden.
3584 Aug. 15, 1937. full bloom
(2) Arlington Co.,
Corner of 7th and Garfield St. N.

Polygonum — Top of North Mountain
=Persicaria mitis Gilib at fire tower (steel 80 ft high)
3585 at 4000 feet, Aug. 21, 1937.
(1) scattered — H.A. Allard,
(This trip taken with Howard F. Allard and Mc Canna)

Eupatorium urticaefolium Reichard
3586 abundant: full bloom — ditto
(2)

Polygonum persicaria L
3587 — ditto
(2) abundant: full bloom
= ~~Persicaria mitis Gilib.~~

3588 Euphorbiaceae — At Smoke Hole Cave. Pendleton Co., West Va.,
(2) On limestone cliffs. Aug. 21, 1937
= Chamaesyce preslii (Guss.) Arthur — H.A. Allard

3589 Polymnia canadensis L
(4) abundant: full bloom — ditto

3590 Chenopodium gigantospermum Aellen. — ditto.
(1) Few seen; full bloom.
= C. hybridum L. of Gray.

Fern — At Smoke Hole Cave,
Pendleton Co.,
W. Va.: Aug. 21, 1937
3591 H.A. Allard.
(1) On limestone cliffs
= Woodsia obtusa (Spreng.) Torr.

Pellaea atropurpurea (L.) Link — ditto.
3592 abundant: on limestone
(3) cliffs bare

Moss
3593 = Rhytidium rugosum (Sull.) Kindb. — ditto
(1)

3594 Gramineae — ditto
(3) abundant: full bloom
Muhlenbergia sobolifera (Muhl.) Trin.

3595 Cuscuta gronovii Willd ~~Cuscuta~~
(3) abundant. — ditto

3596 Physalis heterophylla Nees. — ditto
(2) scattered: full bloom

Desmodium canescens (L.) DC.
3597 abundant on rocky slopes. — ditto
(2) Meibomia canescens (L.) Kuntze.

Andropogon furcatus Muhl. at Gunpowder Cave, Cave Mountain, Pendleton Co., West Va., Aug. 22, 1937. H.A. Allard. at 2500 feet near cave entrance

3598 vigorous colonies on steep slopes by trail; full bloom e
11

3599 Linum lewisii Pursh. fl. blue ditto e
(3) on cliffs limestone above and around cave entrance. scattered: some in bloom. Of lewisii not before reported established in east, as a western species. H.A.A. e

3600 Ostrya virginiana (Mill.) Willd
(4) on steep dry slopes above the limestone cliffs above caves; abundant here e ditto

3601 Eragrostis capillaris (L.) Nees. ditto
(4) On cliffs near # 3600 at cave entrance e

3602 Crataegus uniflora Muench. ditto
Growing with # 3600 e

3603 Asplenium resiliens Kuntze e ~~ditto~~
11 at Smoke Hole Cave Pendleton Co., West Va., H.A. Allard on limestone cliffs (mislaid out of date)

3604 Bouteloua curtipendula (Michx.) Torr.
(9) on dry limestone talus at foot of cliffs - several vigorous colonies, in full bloom. Anthers a beautiful cinnabar red. first record for West Va. e ditto

Gramineae at Gunpowder Cave, top of Cave Mt., Pendleton Co., West Va., Aug. 22, 1937 H.A. Allard.

3605 e
(2) on cliffs of limestone here.
Muhlenbergia foliosa Trin. e

3606 Carex eburnea Boott. e ~~Carex~~ ditto
(1) Growing near # 3605 (New to West. Va.) (Identity by F.J. Hermann)

3607 Arenaria stricta Michx ditto
(2) Growing near # 3605 e over limestone cliffs above cave entrance: abundant: mostly past bloom

3608 Magnolia acuminata L. ditto
(1) On wooded slopes of Cave Mt., by trail near 2300 feet: abundant. e

3609 Aristolochia macrophylla Lam. ditto
(3) abundant near # 3608 In fruit: most of seed pods half eaten as shown. e

3610 Helenium autumnale L. Compositae at camp in Smoke Hole, Pendleton Co., West Va., Aug. 23, 1937 H.A. Allard. e
(1) abundant and in full bloom in flood plain of creek here etc.

3611 Echinochloa crus-galli (L.) Beauv. ray flowers yellow
(1) In flood plain along creek west of White Rocks near bridge 1 mi. N. of Haterell. abundant
Bull Run Mts., Haterell Gap, Fauquier Co., Aug. 29, 1937 H.A. Allard. e

3612 Panicum gattingeri Nash. Flood plain along creek at foot of [struck through] near bridge 1 mi. N. of Hopewell Gap. abundant in corn field - rich soil
(1)
Bull Run Mts, west slope, Fauquier Co., North of Hopewell Gap, Aug. 29, 1937 H. A. Allard,
e

3613 Abutilon theophrasti Medic. old field: abundant: full bloom. North of Hopewell.
(2)
ditto
e

3614 Apocynum cannabinum L. Old field: full bloom: abundant. Late in flowering: mostly past.
(1)
ditto
e

3615 Solidago graminifolia (L.) Salisb. Low ground near # 3612 abundant: just in bloom
(1)
ditto
e

3616 Lobelia syphilitica L. Low ground flood plain near brook with # 3612 abundant: full bloom
(3)
ditto
e

3617 Alnus rugosa (DuRoi.) Spreng. wet ground at bridge below since e park. abundant.
(2)
ditto
e

3618 Helianthus decapetalus Old pasture - abundant - full bloom. Silphium trifoliatum L.
(2)
ditto

3619 Helianthus giganteus L. wet flood plain near # 3612: full bloom abundant
(2)
Bull Run Mts, west slope, Fauquier Co. Aug. 29, 1937 H. A. Allard N. of Hopewell Gap 1 mi.
e

3620 Setaria glauca lutescens (Weigel) F. T. Hubb. In old corn field - flood plain with # 3612. abundant
(4)
ditto
e

3621 Panicum dichotomiflorum Michx. Growing with # 3620 abundant In corn field, wet lower portion.
(3)
ditto
e

3622 Panicum gattingeri Nash. Low ground in corn field; flood plain: near # 3620 abundant.
(4)
ditto
e

3623 Leersia oryzoides (L.) Swartz. wet ground old field near Hopewell Gap, with Eupatorium purpureum, E. perfoliatum: occasional. full bloom.
(1)
ditto
e

3624 Digitaria sanguinalis (L.) Scop. Corn field, low ground; flood plain: near # 3620: abundant
(3)
ditto
e

3625 Digitaria ischaemum (Schreb.) Muhl. Growing with # 3624 abundant: in rich, low ground in corn field.
(3)
ditto
e

3626 Panicum dichotomiflorum Michx. Bull Run Mts., North of Hopewell Gap, Va.; West slope; Fauquier Co. Aug. 29, 1937 H.A. Allard
(2) Low ground, flood plain along brook west of White Rocks, in cornfield abundant
e

3627 Cuscuta on Lactuca ditto
(1) Growing with # 3626
= C. gronovii Willd.
e

3628 Eleocharis obtusa (Willd.) Schultes ditto
(2) along brook - flood plain near # 3626; abundant
(Ident. by F. J. Hermann)
e

3629 Humulus lupulus L. ditto
(2) scrambling over alders at bridge over brook west of White Rocks where road turns from Hopewell. occasional (one locality by R.R. at Berkeley ?)
e

3630 Gramineae ditto
(2) By brook, wet ground. flood plain beside # 3629.
scattered. = Cinna arundinacea L.
e

3631 Hieracium gronovii L.
(4) old broomsedge field just below White Rocks near spring and road. ditto
scattered colonies in full bloom
e

3632 Lespedeza intermedia Britton
(1) Growing in same field near # 3631. ditto e
= L. frutescens of Britton and Brown's Flora.

3633 Lespedeza virginica (L.) Britton Bull Run Mt., North of Hopewell Gap, west slope; Fauquier Co. Aug. 29, 1937 H.A. Allard.
(4) in old broomsedge field with # 3632
abundant; full bloom
e

3634 Lespedeza procumbens Michx. ditto
(1) Growing in same field near # 3633: scattered here.
e

3635 Lobelia inflata L. ditto
(1) Growing near # 3634
scattered here; full bloom.
e

3636 Lespedeza procumbens Michx. ditto
(1) In same old broomsedge field with # 3635
scattered. House.
e

3637 Spiranthes Ibidium gracile (Bigel.) House ditto
(2) In old broomsedge field with # 3635
occasional here - but widely scattered.
e

3638 Cyperus strigosus L. ditto
(2) Low ground old field near # 3635, but in damp spot by spring: abundant (Ident. by F. J. Hermann)
e

3639 Cassia marilandica L. ditto
(1) In old pasture N. of Mr Copp's place: occasional: full bloom
= C. medsgeri Shafer of Britton and Brown
Their C. marilandica = C. hebecarpa Fernald. e

3640 Meibomia dillenii (Darl.) Bull Run Mt., west slope, Fauquier Co., N. of Hopewell Gap, Aug. 29, 1937 Je H.A. Allard.
(1) Old field or pasture N. of Mr. Cop's place. scattered: tall full bloom.

3641 Polygonum — ditto
(2) old field near Cop's abundant: full bloom
= Persicaria pennsylvanica (L.) Small.

3642 Euphorbiaceae — ditto
(1) Old field near # 3641 abundant
= Chamaesyce preslii (Guss.) Arthur

3643 Lespedeza stipulacea Maxim. — ditto
(5) abundant in old fields near # 3641 - often between broomsedge clumps, or very dense covering

3644 Malvaceae — ditto
(2) Old field near Cop's abundant, = Sida spinosa L

3645 Convolvulus — ditto
(2) Same Old field with # 3644 abundant.
Ipomoea lacunosa L

3646 Lactuca floridana (L.) Gaertn. flowers blue — ditto
(1) Old field near Hopewell Gap abundant: full bloom.

3647 Paspalum pubescens Muhl. Bull Run Mt. west slope, N. of Hopewell Gap, Fauquier Co., Va. Aug. 29, 1937 H.A. Allard.
4 Old field near # 3646: abundant here.

3648 Ulmus fulva Michx — ditto
(2) old pasture near woods near # 3647 occasional

3649 Salix nigra Marsh — ditto
(3) Growing in pasture near # 3648

3650 ~~Gerardia~~ Aureolaria pedicularia (L.) Raf. — ditto
(4) Roadside on Triassic area near Antioch where abundant: also abundant on slopes at Hopewell Gap etc.: full bloom

3651 Lactuca floridana (L.) Gaertn. — plants A & B.
(2) fl. blue
On flood plain along brook west of white Rock along cornfield: full bloom; abundant.

3652 Lactuca floridana (L.) Gaertn — ditto
(1) flowers blue.
Same locality near # 3651

3653 Lactuca floridana (L.) Gaertn — ditto
(1) flowers blue
Same locality near # 3651

Phlox paniculata L. — Bull Run Mts. N. of Hopewell Gap, Va. Fauquier Co., Aug. 29, 1937, H.A. Allard.

3654 Low ground flood plain along (1) brook at edge of cornfield west of White Rocks. full bloom: very showy: occasional here.

3655 Ilex montana (T.&G.) A. Gray. — West Virginia, September 6, 1937, H.A. Allard. e

(1) On edge of Blackwater Canyon, beyond Davis, West Va. abundant; fruit reddening

3656 Gramineae. — West Va., Pendleton Co., Sept. 6, 1937, H.A. Allard e

(1) Top of North Fork Mt near fire tower, alt 4000 ft. Eragrostis pectinacea (Michx.) Nees.

3657 Digitaria ischaemum (Schreb.) Muhl. — ditto

(1) Same locality near * 3656 e

3658 Cirsium altissimum (Muhl.) Spreng. — Pendleton Co., West Va, Sept 3, 1937, H.A. Allard e

(1) on steep bank in Smoke Hole settlement near Eagle Rock. Full bloom; local here

3659 Polygonum aviculare L — ditto e

(3) Growing abundantly with * 3656 - in cleared stoney area

3660 Eupatorium urticaefolium Reichard — ditto e

(2) Growing all around cleaned area and along roadside with * 3656. very showy here; full bloom,

Juncus near J. williamsii (Fernald) Hermann — Top of North Fork Mt, Pendleton Co., West Va.; alt 4000 ft, Sept 3, 1937, H.A. Allard

3661 abundant near * 3660 e

(1) This trip taken with T. Gray. Identified by F.J. Hermann)

Fern Dryopteris intermedia (Muhl.) — Pendleton Co., West Va., Sept. 4, 1937, H.A. Allard e

3662 On rocky talus between two high rocky cliffs at Nelson Pass (= Nelson Rocks) near Circleville. abundant e

(1)

3663 Commelina virginica L. — ditto

(2) On rocky slope near entrance to Gunpowder Cave, Cave Mt., near or overlooking Eagle Rock, Smoke Hole, scattered; full bloom. e

3664 Lycopodium annotinum L. — West Virginia, Pocahontas Co., Sept. 5, 1937, H.A. Allard

(1) On Cheat Mountain beyond Durbin. e abundant in spruce woods etc.

3665 Solidago flexicaulis L — ditto e

(1) Roadside; very abundant along Cheat River; full bloom

3666 Helianthus decapetalus L. — ditto

(1) Roadside near * 3665: very abundant: full bloom: showy e

Solidago neglecta T.&G. ~~uliginosa~~ — West Virginia, Sept. 6, 1937, H.A. Allard, alt over 3100 ft. e

3667 (1) along Blackwater Canyon lookout: abundant on plateau here; full bloom striking with its abundant yellow.

3668 Solidago rugosa Mill. West Va., beyond Davis, Sept. 6, 1937 H.A. Allard
along Blackwater Canyon - abundant around the lookout on plateau; full bloom; very showy with its yellow e
(1)

3669 Aster infellatus Mill ditto e
same locality with ## 3668
(2) very abundant: its white intermingling everywhere with gold of goldenrods in a striking way.

3670 Solidago canadensis L. West Va. Near Moorfield roadside Sept. 7, 1937 e
(1)
very abundant, showy, by along fence roads, the branches of the inflorescence long, recursed giving a beautiful spray effect especially striking.

3671 = Bryum argenteum (L.) Hedw. + Ceratodon purpureus (Hedw.) Brid.
(1) Moss.
On top of North Fork Mt., at 4000 feet: on bare rocky soil here, near steel tower. Pendleton Co., West Va. Sept. 7, 1937 H.A. Allard.

3672 = Agrostis hiemalis (Walt.) Tuckerm.
(1) Gramineae.
woods North slope of Round Knob west of Gaskins place: frequent. Bull Run Mts. Sept. 12, 1937 H.A. Allard Fauquier Co. e

3673 Solidago ~~rugosa~~ ulmifolia Muhl.
(1)
woods same place with # 3672: full bloom. ditto e

3674 Eragrostis spectabilis (Pursh) Steud.
(2) Old pasture field west of Om Gaskins north of Round Knob: abundant. ditto. e

3675 Diodia teres Walt. Bull Run Mts
old field N. of Round Knob, on ridge west of Gaskins place abundant Sept. 12, 1937 Fauquier Co., H.A. Allard
(3) Rusted. e

3676 Sorghastrum nutans (L.) Nash. ditto.
(4) In same field with # 3675 scattered - just in flower e

3677 Lespedeza violacea (L.) Pers. ditto
(1) In same field with ## 3675 abundant; full bloom. e

3678 Cyperus rivularis Kunth. ditto
(2) In low single along stream just west of Gaskins N. of Round Knob, abundant here. (Ident. by F. J. Hermann) e

3679 Digitaria ischaemum (Schreb.) Muhl. ditto. e
(1) In same place with ## 3678 abundant

3680 Gramineae ditto. e
(1) In same low, wet ground beside brook with # 3678
- Aristida dichotoma Michx.

3681 Fimbristylis autumnalis var. mucronulata (Michx.) Fern. ditto. e
(2) In same low ground with # 3678 abundant.
(Ident. by F. J. Hermann.)

3682 Digitaria ischaemum (Schreb.) Muhl. — Bull Run Mt., Sept. 12, 1937, H.A. Allard, Fauquier Co.,

(1) Low ground along brook west of Gaskins' place, N. of Round Knob, abundant

e

3683 Hypericum mutilum L.

(1) In same low ground spot with # 3682: abundant; full bloom; rusted. — ditto

e

3684 Eclipta alba (L.) Hook — ditto.

(1) (2) Growing near # 3682, wet soil along brook: abundant; full bloom

e

3685 ~~Labiatae~~ ? Scrophulariaceae

(1) Growing near # 3682: scattered. full bloom: flowers blue; Ilysanthes dubia (L.) Barnhart. — ditto

e

3686 Sporobolus ?

(3) Roadside west of Aldie — west slope: abundant not far from route 50 = Leersia virginica Willd. — ditto

e

3687 Panicum dichotomiflorum Michx. — ditto

(6) Growing beside # 3686 abundant:

e

3688 Polygonum

(3) Roadside west of Aldie near route 50, west slope; abundant: full bloom. = Tiniaria scandens (L.) Small. — ditto

e

3689 Bidens aristosa var. mutica Fernald — Bull Run Mt. Sept. 12, 1937, H.A. Allard, ~~Fauquier~~ Co. Prince William Co.

On Triassic near Aldie route 50: full bloom; acres of it: most brilliant gold. worth any trip to see the yellow upon the fields; fairly glaring: at its best today,

e

3690 Meibomia dillenii (Darl.) Kuntze

(1) Old field N. of Round Knob and just west of Gaskins' place. scattered in pastures — ditto Fauquier Co

e

3691 ~~Polygonum~~ Persicaria punctata (Ell.) Small

(3) Wet soil along brook west of Gaskins' place, N. of Round Knob, abundant; full bloom — ditto

e

3692 ~~Ipomoea~~ Quamoclit coccinea (L.) Moench.

(1) Old field on hill N of Round Knob, and west of Gaskins' place: local; few ever found: full bloom. — ditto Fauquier Co.

e

3693 Oenothera biennis L.

(1) In old field with # 3692 abundant: full bloom — ditto

e

3694 Solidago nemoralis Ait

(3) In same field with # 3692 very abundant: full bloom: the most abundant species in these old fields and pastures in Bull Run area — ditto

e

3695 Erechtites hieracifolia (L.) Raf. — ditto

(2) In old field damp spot. N. of Round Knob and west of Gaskins' place: abundant: full bloom.

e

3696 Eupatorium urticaefolium Reichard. Bull Run Mt., Sept. 12, 1937 H.A. Allard Fauquier Co.
(4) In old field west of Gaskins & N. of Round Knob abundant in pastures etc. full bloom and in woods on N slope of Round Knob on woodroads. e

3697 Aster pilosus var. demotus Blake (white fl) ditto e
(1) In old field just N. of Round Knob: scattered; full bloom

3698 Agrimonia parviflora Soland ditto
(1) woods on North slope of Round Knob where very rocky. abundant in woods etc. e

3699 Lactuca floridana (L.) Gaertn. ditto
bl. yellow (?)
(1) In woods on wood road North slope of High Round Knob: abundant; mostly past bloom: bloom yellow (?) e

3700 ~~Amphicarpa monoica~~ = Falcata comosa (L.) Kuntze ditto
(3) woods everywhere on north slope of Round Knob: full bloom. Extremely abundant in moist woods, but not at top where very arid. e

3701 Cuscuta gronovii Willd. ditto
(5) on Agrimonia Eupatorium urticaefolium Amphicarpa monoica etc: very abundant; growing with ## 3700: full bloom e

3702 ~~Gerardia~~ ditto
(1) In woods near # 3700 abundant: past bloom.
= Aureolaria virginica (L.) Pennell. e

3703 Cacalia atriplicifolia L. Bull Run Mt., Sept 12, 1937 H.A. Allard Fauquier Co.
(1) woods North slope of Round Knob, scattered: full bloom e

3704 Lactuca floridana (L.) Gaertn. ditto
bl. blue.
(2) same woods with # 3703 abundant; full bloom e

3705 Bidens bipinnata L ditto
(1) woods north slope of Round Knob - abundant. e

3706 Impatiens pallida ~~rhizophyllus~~ (L.) Link. ditto
(2) On rocky slope near top North slope of High Knob; abundant here in full bloom; my first record in Bull Run Mts. e

3707 Camptosaurus rhizophyllus (L.) Link. ditto
(1) On rock shelves (two places) N.E. slope of Round Knob: two fine colonies, my only record in Bull Run Mts: a very rocky precipitous slope here e

3708 ~~Phegopteris polypodioides~~ ditto
(?) Rich moist woods N.E. slope of Round Knob below rocky apex; very abundant here covering large areas.
= Dryopteris hexagonoptera (Michx.) C. Chr. e

3709 Hydrocotyle americana L. ditto
(1) wet spot in woods near ## 3708 abundant. e

3710 Prenanthes ~~trifoliata~~ altissima L — Bull Run Mt, Va, Sept. 12, 1937, Fauquier Co. H.A. Allard
(2) In woods north slope of Round Knob; scattered: full bloom. e

3711 Collinsia canadensis L — ditto
(2) Rich woods on Round Knob, north slope; abundant; full bloom. e

3712 Lactuca spicata (Lam.) Hitchc. — ditto
(1) Plant A, top and middle - 8 ft tall. In grand near the roadside at foot of Round Knob: a colony here. full bloom; fl. yellowish or rich cream e

3713 Strophostyles umbellata (Muhl.) Britton — Battle Creek, Maryland, Calvert Co. Sept 14, 1937
(1) In pasture - near Taxodium swamp on Bowen Road - 2nd right from Solomon Island road after leaving Prince Frederick. abundant: full bloom e

3714 Cuscuta gronovii Willd — ditto
(1) on Impatiens biflora. In damp pasture near # 3713 abundant, and by roadsides here full bloom e

3715 Euphorbiaceae — on Hemwood Beach Calvert Co., below Prince Frederick. Sept. 14, 1937 H.A. Allard
(2) Very abundant on sand forming large mats. Light green, bright on sands. - Chamaesyce polygonifolia (L.) Small e

3716 Chelone obliqua L — on Battle Creek, Calvert Co., Md. Sept. 14, 1937 H.A. Allard
(3) abundant in Cypress grove here on Bowen road by bridge deep reddish rose color: full bloom. e

3717 Eupatorium coelestinum L — On Battle Creek, Calvert Co., Md. Sept. 14, 1937 H.A. Allard
(1) abundant in pasture near Cypress grove; full bloom.
(This trip taken with Garney) e

3718 Cuscuta gronovii Willd — ditto
(1) same locality with # 3717 abundant e

3719 Trichostema dichotoma L. — ditto
(1) In old field. full bloom. e

3720 Falcata pitcheri (T. & G.) Kuntze — ditto
Damp soil roadside at Cypress grove, Bowens road. very abundant, brush climbing over thickets. full bloom e

3721 Leersia ~~virginica~~ oryzoides (L.) Swartz — ditto
— abundant in Cypress grove above near # 3720 e

3722 Vincetoxicum hirsutum (Michx.) Britton — ditto
(1) Growing near #3720, climbing over shrubs. past blooming. e

3723 Compositae Verbesina occidentalis (L.) Walt. — ditto
(1) In damp old pasture. full bloom; abundant e

3724 Eupatorium hyssopifolium L. — In old pasture near Cypress Swamp - abundant: full bloom
(1)
On Battle Creek, Calvert Co., Sept. 14, 1937 H.A. Allard
e

3725 Graminae — Low moist ground near Cypress grove; abundant
(3)
Panicum anceps Michx. e
ditto

3726 Eupatorium serotinum Michx — In old pasture with # 3724; abundant: full bloom
(3)
ditto

3727 ~~Syntherisma~~ Digitaria sanguinalis (L.) Scop. — abundant on sand beach stretches.
On sand Kenwood Beach Calvert Co., Md Sept. 14, 1937 H.A. Allard
e

3728 = Triplasis purpurea (Walt.) Chapm. — Graminae
(4) abundant in sands of shore full bloom; spikes deep reddish purple a stiff grass.
ditto
e

3729 Graminae
(6) On sands of shore: abundant
Panicum virgatum L. e
ditto

3730 Graminae = Panicum amarum Elliott.
(1) On beach sand near # 3729.
ditto
e

3731 Cyperus esculentus L. — abundant in sand on beach.
(2) (Ident. by Fr. J. Hermann)
e
On Kenwood Beach Calvert Co., Md., Sept. 14, 1937 H.A. Allard.

3732 Strophostyles helvola (L.) Britton
(1) On sandy beach - abundant - a sand binder.
ditto
e

3733 Cenchrus tribuloides L.
(1) On sands of shore: abundant: a sand binder
ditto
e

3734 Eupatorium torreyanum Short
(2) On sandy soil on beach - abundant near escarpments; full bloom
ditto
e

3735 Eupatorium album L.
(2) On sandy shore; abundant; full bloom
ditto
e

3736 Solidago ~~elliottii~~ speciosa. Nutt — along beach escarpment; abundant; just coming into bloom; leaves serrate. Very showy.
(5)
(ident by Blake. Oct. 13, 1937)
ditto
e

3737 Lactuca canadensis L. — fl. yellow
(1) On sandy beach near escarpments abundant:
ditto
e

3738 Solidago squarrosa Muhl — Red Oak Mt., Fauquier Co., Va
full bloom — Sept. 17, 1937
scattered in woods — H.A. Allard
alt. 1400 ft
e

3739 Meibomia laevigata (Nutt) Kuntze — ditto
(2) an abundant species [illegible] the wooded slopes. full bloom
e

3740 Meibomia laevigata (Nutt.) Kuntze — ditto
(2) Growing near # 3739.
scattered.
e

3741 Eragrostis capillaris (L.) Nees. — ditto
(2) In woods near # 3739
scattered
e

3742 Gramineae — ditto
(2) In woods high up on slope
near # 3739
scattered
Muhlenbergia sobolifera (Muhl.) Trin.
e

3743 Solidago ulmifolia Muhl — ditto
(2) In woods near # 3739
abundant: full bloom
e

3744 Aster patens Ait — ditto
(2) In woods on slopes;
abundant; full bloom: flowers
showy purple.
e

3745 Cuscuta coryli Engelm. — Red Oak Mt., Fauquier Co., Va
abundant — Sept. 17, 1937
(2) Growing near — H.A. Allard
3739. — alt of this Mt 1400 ft
e

3746 Bidens ~~laevis~~ cernua L — Near Woodstock, Va
(1) Very abundant here — in wet ground in meadow
locally, and very showy — Sept. 18, 1937
golden yellow; full bloom. — H.A. Allard
Shenandoah Co
e

3747 Gramineae Eragrostis pilosa (L.) Beauv. — On Three Top Mt. east of Woodstock, Va
(1) On crumbling shales where Woodstock tower is
by roadside half way — Sept. 18, 1937
up: abundant: where — H.A. Allard
we parked car. — Massanutten Range.
Shenandoah Co.
e

3748 Cunila origanoides (L.) Britton — ditto
(1) On slopes here: common;
full bloom.
e

3749 Aster laevis L — ditto
(2) On wooded slopes; abundant;
full bloom; very showy blue-purple
rays
e

3750 Aster divaricatus L — ditto
(1) ~~Rays~~ white; disks becoming
reddish brown;
abundant everywhere on wooded slopes;
full bloom.
e

3751 Panicum gattingeri Nash — ditto
(2) Growing by roadside.
below Woodstock Tower.
e

3752 Arctium minus Schk
(1) By roadside below Woodstock Tower; abundant; full bloom
On Three Top Mt., Massanutten Range, Shenandoah Co.. Sept. 18, 1937 H.A. Allard.
e

3753 Eupatorium urticaefolium Reichard
(1) at base of Woodstock Tower etc; very abundant everywhere on slopes; full bloom; showy.
ditto
e

3754 Aster ~~concinnus~~ laevis L
(1) or a form of A. laevis
Growing along rocky slopes; not uncommon below Woodstock Tower. showy, blue heads.
ditto
e

3755 Aster undulatus L
(2) woods and along roadside up to Woodstock Tower and Gap. scattered: full bloom, showy. rays blue
ditto
e

3756 Aster laevis L
(1) Growing near # 3755, scattered: very showy with long clear blue rays.
e ditto

3757 Aster patens Ait
(1) Growing near # 3755 In woods: abundant: full bloom
ditto
e

3758 Eupatorium urticaefolium Reichard
(1) woods on slope: abundant, full bloom; massed around Woodstock Tower; pure white, showy
ditto e

3759 Solidago ~~[illegible]~~ erecta Pursh
(5) In woods; abundant on slope; full bloom: showy.
On Three Top Mt., Massanutten Range, Shenandoah Co., Va Sept. 18, 1937 H.A. Allard Near Woodstock Tower
e

3760 Solidago caesia L. ~~E. Oping~~.
(2) On rocky slope; abundant, just in bloom. glabrous, glaucous, delicate,
e ditto

3761 Tiniaria dumetorum (L.) Opiz.
(2) High climbing over supports at base of Woodstock Tower; abundant
ditto
e

3762 Aster laevis L
e
Not top near Forestry sign to Sugar Knob Camp 3½ mi. abundant: full bloom, woods.
Great North Mountain, Alleghenies near Manganese Mine beyond Saumsville, Va Shenandoah Co., Sept. 19, 1937 H.A. Allard

3763 Solidago monticola T. & G.
(1) Same locality with # 3762; abundant: full bloom,
e
ditto

3764 Solidago erecta Pursh
(2) Top of Mountain abundant: full bloom. along cart roads.
e
ditto

3765 Liatris scariosa (L.) Willd.
(2) scattered over red sandstone barrens at top: abundant; full bloom; very showy.
e
ditto

3766 Aster divaricatus L. — Little ~~Great~~ North Mt., Alleghenies, Shenandoah Co., Va
(1) Roadside near spring on route to Cedar Creek and Zeffs. ~~beyond Manganese Mine~~ beyond Saumsville, Va.
Sept. 19, 1937
abundant; full bloom — H.A. Allard
e

3767 Gerardia laevigata (Raf.) Raf. ~~amestana~~ — ditto
(1) wooded slope on way to high cliffs at left of road going up: abundant: full bloom
e

3768 Aster — ditto
(2) Same locality with # 3767: along wood road. scattered.
(1 lost)

3769 Aster pilosus platyphyllus (T.&G.) Blake — ditto
(2) Same loc. with # 3767 abundant in wood roads in places: full bloom
e

3770 ~~Spiranthes~~ Obolaria Oenanthe communis L. House — ditto
(1) wooded slope below cliffs where # 3767 found. Occasional.
e

3771 Ilex montana (T.&G.) A. Gray. Top of Spruce Knob, West Va., Sept 25, 1937 H.A. Allard
(4) Abundant below Tower conspicuous with clear red fruit.
(This trip with Gurney) e

3772 Ilex montana (T.&G.) A. Gray Top of Nelson Rocks, Nelson Gap near Circleville, West Va., Sept. 25, 1937 H.A. Allard e
(1) Full fruit: color dark red: scattered between the two Medina walls here.
e

3773 Aronia melanocarpa (Michx.) Britton — Same locality and near # 3772 same date H.A. Allard.
(1) abundant at top of Knob: fruit black
e

3774 Sorbus americana Marsh. Top of Spruce Knob 4860 ft West Va., Sept. 25, 1937 H.A. Allard
(2) abundant: fruit mature orange red, exceedingly showy.
e

3775 Lycopodium clavatum L. — Same loc. with # 3774 Sept. 24, 1937 H.A. Allard
(2) Very abundant among conglomerate rocks over knob.
e

3776 Lycopodium obscurum L. — ditto
abundant: showy over knob.
e

3777 Agalinis tenuifolia (Vahl.) Raf. — Near Moorfield, 4½ mi. So. of Moorfield, West Va., Sept. 25, 1937 H.A. Allard.
(3) abundant in broomsedge pasture; full bloom.
2

3778 Aster Vimineus Lam. — ditto
(1) abundant in young pasture near # 3777 full bloom
2

3779 aster ~~ericoides~~ pilosus Willd — ditto
(1) Growing with # 3777 abundant; full bloom.
2

3780 Bidens cernua L. In swale; abundant, full bloom. Near Moorfield in West Va., Sept. 26, 1937 H. A. Allard. 2
(2)
Orchelimum vulgare abundant and captured here; "singing" as also Conocephalus strictus

3781 Dasystefana villosa (L.) Small. ditto. 2
(1) In old pasture covered with Andropogon virginicus scarce here; full bloom

3782 Mentha canadensis L ditto 2
(1) In swale with # 3780 abundant: full bloom

3783 Polygala ~~mariana~~ sanguinea L ditto 2
(1) In old pasture with # 3781 scattered: full bloom

3784 Leersia ~~virginica~~ oryzoides (L.) Swartz. ditto 2
(2) Growing with # 3780 abundant: shattering.

3785 Solidago nemoralis Ait ditto 2
(2) Growing in broom sedge field with # 3781; abundant: full bloom.

3786 Solidago altissima L ditto 2
(2) Growing with # 3781 abundant: full bloom; very showy.

3787 Aster ~~salicifolius~~ paniculatus Lam. Near Moorfield, West Va., Sept. 26, 1937 H. A. Allard
(1) Growing with # 3780 in wet swale. abundant: full bloom. 2

3788 Panicum tastulatum Michx. ditto
(1) In thin dry woods on bank. abundant 2

3789 Setaria lutescens (Weigel.) F. T. Hubb. ditto
(2) dry open wood road. abundant. 2

3790 Aster ~~ericoides~~ infasus, hairy form Willd abundant with # 3781 ditto
(1) fullbloom. 2

3791 Eragrostis spectabilis (Pursh) Steud. ditto
(1) Open woods - wood road abundant 2

3792 Fimbristylis autumnalis ~~var. mucronulata (Michx.)~~ ditto
(2) open woods, dry bank var. mucronulata (Michx.) Fern. abundant. (Ident. by F. J. Hermann. 2

3793 Eleocharis obtusa (Willd.) Schultes ditto
(1) (but styles mostly 3) see wet ground near # 3780 abundant. (Ident. by F. J. Hermann 2

3794 Cyperus similaris Kunth. Near Moorfield West Va., Sept. 26, 1937 H.G. Allard.
(1) Low ground, sparsely wooded; scattered
(Ident. by F. J. Hermann)

3795 Juncus marei S.F. Gray — ditto
(1) Dry open woods; abundant (Ident. by F. J. Hermann)

3796 Cyperus filiculmis Vahl. — ditto
(1) Growing near # 3795
scattered here. (Ident. by F. J. Hermann)

3797 Quercus imbricaria Michx. — ditto
(2) In old pasture 4½ miles S. of Moorfield with # 3781
Here Quercus palustris, alba, velutina and stellata also: abundant; new growth.

3798 Picea ~~rubra~~ rubens Sargent — West Va Sept. 26, 1937 H.G. Allard Monongahela Nat. Forest.
(1) On peak above Dolly Sods fire tower is situated near Petersburg on highway to road (opening) from Harmon to Davis West Va; abundant on Shrine Knob etc.

3799 Aster prenanthoides Muhl — Blackwater Falls, Blackwater Canyon, near Davis, West Va.; Sept. 26, 1937 H.G. Allard.
(2) On rocks etc at Falls; abundant; full bloom
Fl. blue showy on the rocks.

3800 Moss — ditto
(1) On wet rocks close to falls. olive green patches. leafy-stemmed.
= Mnium punctatum L. Bryaceae

3801 Polygonum tenue Michx — Blue ridge Mts. at Ashby Gap, just above Paris, Va Sept. 26, 1937 H.G. Allard.
(1) Old pasture; full bloom; a few plants only; not abundant here.

3802 ~~Solidago [illegible]~~ = Solidago erecta Pursh — Bull Run Mts west of Valley road near Beverley, Oct. 3, 1937 H.G. Allard Prince William Co.
(3) In old field near old dim ways: a few scattered plants: rays much lighter yellow than nemoralis or altissima with it and commoner here.

3803 Solidago caesia L — ditto
(4) On ridge N of Beverley Mill. abundant: full bloom.

3804 Actinomeris ~~Ridan~~ alternifolia (L.) DC — ditto
(2) Thickets near old stone structure near R.R. at Beverley; abundant, full bloom.

3805 Lactuca floridana (L.) Gaertn. flowers blue — ditto
(2) Growing in moist thicket with # 3804: abundant: full bloom

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3806 Aster puniceus L — ditto
(1) Growing with # 3804 abundant; full bloom showy blue heads.

3807 Oxalis ~~corniculata~~ — ditto
(1) damp open ground near # 3804 abundant: full bloom
= O. europaea Jord. forma cymosa (Small) Wieg.

Aster pilosus Willd — Bull Run Mt, Prince William Co, Va, Oct. 3, 1937, H.A. Allard

3808 waste ground near old building walls just N. of R.R. track at Beverly Mill
(1) an abundant form everywhere in Bull Run; is this hairy form = old A. ericoides — e

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Oenothera biennis L — ditto

3809 waste ground, old field,
(2) abundant; full bloom, in old field on valley road near old chimney old house site; leaves turn red more or less in autumn. — e

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3810 Xanthium ~~commune~~ pungens Wallr. — ditto
(1) waste ground, old field near # 3809 abundant — e

3811 Gramineae = Muhlenbergia schreberi Gmel — ditto
(2) old field near house site above, with # 3809; abundant, producing matted growth here in pure patches. — e

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3812 ~~Spiranthes~~ Stadium cernuum (L.) House. — ditto
(1) wooded east slope below High Point occasional: full bloom. — e

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3813 Panicum commutatum Schult. — ditto
(1) on rocks at High Point, on thin soil. — e

3814 Aster patens Ait — ditto — e
(1) rays deep purple!
On dry wooded ridge crest near High Point; full bloom; abundant.

Erechtites hieracifolia (L.) Raf. — Bull Run Mt., Prince William Co, Va, Oct. 3, 1937, H.A. Allard.
Plant A. and Plant B

3815 In woods near High Point on ridge.
(2) abundant, leaves mildewed and with rust. — e

Solidago ulmifolia Muhl — ditto

3816 on wooded ridge near High Point.
(1) scattered: full bloom — g

3817 Anychia polygonoides Raf. — ditto
wooded cartroad near Beverley on ridge and trail to High Point.
(1) — g

3818 ~~Gerardia~~ Agalinis tenuifolia (Vahl.) Raf. — ditto
(1) Broad road from High Point ridge to Beverley; near Swift Fern area: scattered: full bloom. — g

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3819 ~~Danthonia compressa~~ — ditto
(1) On dry ridge soil at High Point. = Aristida dichotoma Michx. ~~compressa~~ — g

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3820 Aster lateriflorus (L.) Britton. — ditto
(2) On wooded ridge near Beverley N of Mill. abundant: full bloom — e

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3821 Aster laevis L — Massanutten Mts, Shawl Gap near ~~Elizabeth~~ Elizabeth Furnace. Top of ridge Oct. 9, 1937, H.A. Allard — e
(1) an aberrant serrate form, and for that reason of some interest: rare.

Aster undulatus L

Massanutten Mts.; Shawl Gap, near Elizabeth Furnace Camp, Oct. 9, 1937

3822 Top of ridge abundant: full bloom. H.A. Allard

(6)

Aster undulatus L

3823 On crest of ridge at Shawl Gap; large clumps among rocks 5 feet tall, rank, full bloom, very showy; a rather striking variant. without leaves contracted into winged petioles. ditto

(4)

3824 Aster laevis L ditto

(3) abundant on higher ridge and upper slopes near Shawl Gap; very showy: full bloom: none with mature seed: narrow leaves forms intermingled.

3825 Solidago erecta Pursh ditto

Growing near # 3824: abundant on all the ridges and slopes: full bloom with S. bicolor and S. caesia now; none of these with mature seed: S. ulmifolia past.

3826 Aster linariifolius L ditto

(1) Top of ridge at Shawl Gap; abundant; full bloom on ridge.

3827 Liatris graminifolia Walt

Little Cove Point Maryland, Oct. 15, 1937 H.A. Allard Calvert Co.

(4) on clay escarpment of miocene, St. Marys formation. scattered: full bloom (went on this trip officially with Dr. S. F. Blake of U.S.D.A.)

3828 Eupatorium torreyanum short ditto

(3) (abundant on sandy beach; full bloom) leaves very narrow almost as in E. hyssopifolium)

Juncus canadensis J. Gay.

Little Cove Point, Md., Calvert Co., Oct. 15, 1937

3829 abundant on slopes of clay escarpment etc: seed with long slender tails almost or quite as long as the brownish body and silvery in color. (Ident. by F. J. Hermann) H.A. Allard

(6)

3830 Baccharis halimifolia L ditto

(9) abundant back from beach: and silvery white (the pistillate bushes) very showy. Did not see the staminate. One of our most beautiful shrubs of the Compositae.

3831 Aster undulatus L

Bull Run Mt., Va. Ridges east of Gaskins' place Prince William Co. Oct. 17, 1937 H.A. Allard.

(2) On slope east (back) of Mr Gaskins' home; abundant; full bloom: the only aster now in bloom; clear blue, showy

3832 Botrychium obliquum Muhl. ditto

(2) In low ground swamp east of Gaskins ridge - or in valley between this and the high easternmost ridge. full bloom: scattered

3833 Andropogon virginicus L ditto

(3) field between Gaskins' ridge and easternmost ridge: abundant; showy with silver in evening light.

3834 Lobelia inflata L ditto

(4) Opening in woods around saw dust pile: abundant: full bloom: in old fields also.

3835 Polygala ambigua Nutt. ditto

(2) around sawdust pile with # 3834 scattered here, only a few: full bloom; bloom reddish lilac; not common in Bull Run Mts.

3836 Cunila origanoides (L.) Britton — Bull Run Mt., Va. Oct. 17, 1937. Ridges about 6-7 miles S. of Aldie, east of Gaskins' property. Prince William Co. H.A. Allard — e
(1) abundant, full bloom; in clearing around sawdust heap. foot of easternmost ridge.

3837 ~~Acalypha virginica~~ gracilescens A. Gray. — ditto — e
(5) In same spot with # 3836 abundant; some beautifully autumn colored purplish red. very abundant in waste places etc.

3838 Bidens cernua L — ditto — e
(1) around sawdust heap with # 3836 in clearing in woods: abundant here (downwardly barbed awns)

3839 Bidens frondosa L — ditto — e
(2) around above sawdust heap- abundant: awns downwardly barbed.

3840 Viola fimbriatula J. E. Smith — ditto — e
(1) Clearing on wooded slope above, in growing with # 3836 abundant; but no blue flowers now.

3841 ~~Oxalis repens~~ corniculata L — ditto — e
(1) same locality with # 3836: abundant here in clearing in woods.

3842 Anthemis cotula L — ditto — e
(1) (Growing near # 3836 full bloom. (achenes roughened)

3843 Panicum ~~tubulatum~~ Michx — Bull Run Mt., Va. Ridges 6-7 mi. S. of Aldie east of Gaskins' property. Oct. 17, 1937. Prince William Co. H.A. Allard — e
(3) abundant (Growing with # 3836)

3844 ~~Syntherisma ischaemum (Schreb.) Nash~~ Digitaria — ditto — e
(2) Same locality with # 38 36 abundant; seeds black.

3845 Juncus ~~tenuis~~ marer S. F. Gray. — ditto — e
(1) Same locality with # 3836 (? Ident. by F. J. Hermann)

3846 Panicum ~~huachucae~~ var. fasciculatum (Torr.) F. T. Hubb. — ditto — e
(1) same locality with # 38 36 abundant

3847 ~~Leersia virginica~~ — ditto — e
(1) Same loc. with # 3836 Very abundant on ~~wood~~ roads etc. Hedeoma pulegioides (L.) Pers.

3848 Panicum tennesseense Ashe — ditto — e
(1) same loc. with # 3836 abundant.

3849 ~~Danthonia compressa~~ — ditto — e
(1) Growing near # 3836: scattered: note aristate teeth of lemma. = Aristida longispica Poir.

Danthonia spicata (L.) Beauv. Bull Run Mt. Va
Ridges east of Gaskins' 7-8 mi. S. of Aldie.
Oct. 17, 1937
H.A. Allard

3850 In clearing on west slope of easternmost ridge, around large sawdust heap
(2)
an abundant species.
e

3851 Eragrostis capillaris (L.) Nees. ditto
(1) Same loc. with # 3850
abundant
e

3852 Eragrostis capillaris (L.) Nees. ditto
(1) Same loc. with # 3850
e

3853 Gramineae ditto
(2) delicate stems: shattering
Leersia virginica Willd.
e

3854 Gramineae Agrostis perennans (Walt.) Tuckerm. ditto
(1) Growing near # 3850, same loc.
e

3855 Panicum dichotomiflorum Michx ditto
(1) Same locality with # 3850
abundant.
e

3856 Agrostis perennans (Walt.) Tuckerm. ditto
(1) Same loc. with # 3850
scattered.
e

Digitaria filiformis (L.) Koel. Bull Run Mt., Ridges east of Gaskins' 7-8 mi. S. of Aldie, Va.
Oct. 17, 1937
H.A. Allard.

3857 (Same loc. near # 3850
(2)
e

Sarothra
Hypericum gentianoides L ditto

3858 (Same loc. with # 3857
(1) (abundant on dry wood roads etc.
full bloom
e

3859 Digitaria ischaemum (Schreb.) Muhl. ditto
(1) Same loc. with # 3857
e

3860 Digitaria ischaemum (Schreb.) Muhl. ditto
(1) Same loc. with # 3857
= # 3857
e

Juncus marginatus Rostk. ditto
3861 Growing with # 3857.
(1) Common (ident. by F. J. Hermann)
e

Solidago caesia L ditto
3862 west slope of easternmost ridge
(1) above sawdust heap in wood road.
abundant, full bloom.
e

3863 Eupatorium urticaefolium Reichard. ditto
(2) wood road with # 3862
very abundant, fresh still, pure white. The most abundant and showy plant now on moist wooded slopes.
e

3864 ~~Bilderdykia~~ *Tiniaria* scandens (L.) Small. In fence thicket near ~~stone~~ house of white family where children were playing. (2)
Bull Run Mt, Va. Ridges east of Gaskins' 7-8 miles S. of Aldie. Oct. 17, 1937. H. A. Allard. e

3865 Cyperus filiculmis Vahl. In pasture at Mr. Gaskins' place. (Ident. by F. J. Hermann) (1) ditto e

3866 Celastrus scandens L. (2) Fence row; covered with fruit not yet ruptured, but orange in color; leaves yellow, falling, a rather bright yellow. ditto e

3867 Prenanthes alba L. (1) pappus deep reddish brown. In open woods on slope above old house where whites live over the slope from Gaskins: full bloom. ditto e

3868 Andropogon scoparius Michx. (1) Pure stand in old field east of above old house occupied by whites. east slope of ridge east of Gaskins. abundant; now with purplish stems. ditto e

3869 Andropogon virginicus L. (2) Pure stand almost, in a field near the field of # 3868: very showy with its white racemes in evening light. Both # 3868 and # 3869 common species. ditto e

3870 Chenopodium album L. (1) On the beach: abundant. Popes Creek, Charles Co., Md. Oct. 22, 1937. H. A. Allard. e

3871 Aristida [illegible] L. (1) On beach: abundant. Popes Creek, Charles Co., Md. Oct. 22, 1937. H. A. Allard. e

3872 Iva ~~frutescens~~ *oraria* Bartlett. (2) (sandy beach: abundant) ditto e

3873 Spartina alterniflora Lois. On Beach: abundant: nearly past, dry. ditto e

3874 ~~Spartina alterniflora~~ (4) On beach at water's edge etc.; abundant; dry, nearly past. Panicum virgatum L. ditto e

3875 Rumex verticillatus L. (1) On beach: in fruit, old, nearly past: one clump: leaves bright green, thick. only one plant seen. ditto e

3876 Aster cordifolius L. (3) Just above beach on cored in soil: abundant: full bloom. very showy. ditto e

3877 Aster ~~undulatus~~ *cordifolius* L. (1) abundant growing beside # 3876: full bloom, showy. ditto e

Chenopodium

3878 (1) On beach: abundant
atriplex hastata L.

Pope Creek, Md
Charles Co.,
Oct. 22, 1937
H.A. Allard

3879 (1) ? Marchantia polymorpha L. Pop — ditto
On wet soil
near beach; beach
very abundant.

3880 (2) Cyperus ferax Richard — ditto
On beach: abundant;
passing, idents by F. J. Hermann.

3881 (1) Persicaria pennsylvanica (L.) Small — ditto
On beach near water.
Very large and showy, vivid pink.
I have never seen this species so large
and showy.

3882 (1) Oenothera biennis L. — ditto
On beach; abundant: in bloom

3883 (2) Eupatorium urticaefolium var. villicaule Fernald — ditto
near beach: abundant: full bloom
a var. of above; stems puberulent,
(smooth stemmed forms here also)

3884 (3) Panicum virgatum L. — ditto
On beach: abundant

Aster ~~lateriflorus~~
— lateriflorus (L.) Britton
woods high in var.

Bull Run Mt. Va
ridge back of Gaskins
Oct 24, 1937
H.A. Allard
Fauquier Co.

3885 (1) ridge back of
Gaskins, east of
valley road 5 mi. S of Aldie.
abundant; full bloom

3886 (3) Aster prenanthoides Muhl. — ditto
In wet ground beside
brook east of Gaskins' place,
between middle and easternmost
ridge: rare: a few clumps in bloom
here, the first record I have made in
Bull Run Mt; full bloom; showy, clear blue
pappus tawny.

3887 (4) Persicaria mitis Gilib
abundant near dark houses.
full bloom:

Arlington Farm,
Arlington Co., Va
Oct. 26, 1937
H.A. Allard

3888 (2) Lycopus virginicus L.
Low ground in swamp
south of Gaskins' on
valley road: abundant.

Bull Run Mt.
Oct. 31, 1937
H.A. Allard.

3889 (1) Monotropa hypopitys L. — ditto
False Beech Drops
= Hypopitys lanuginosa (Michx.) Nutt.
abundant in this colony near
top western slope of easternmost ridge near old
Fast place, graveyard.

3890 (1) Ilex verticillata (L.) A. Gray — ditto
Swamp being cut off below
Harris' place: abundant.
Very beautiful: a red haze in late
afternoon sun.

3891 Andropogon elliottii Chapm.
Old field beyond Riley Cabin
near Hopewell - south.
scattered - less abundant than A. scoparius
or A. virginicus. Not so tall beside
them

Bull Run Mt
Nov. 21, 1937
Fauquier Co.

To Bull Run in middle of rock with 2-
Moss in low damp ravine half way up
slope between old house and High Point & rest
slope; ground

3892 (1) = Rhodobryum roseum (Weis.) Limpr.

Bull Run Mt, Va
Dec 1, 1937
H.A. Allard
Fauquier Co.

3893 (2) Antennaria neglecta. Greene
pistillate and staminate plants
some with stolons flowering,
a patch of several sq. feet in flower below
Riley cabin near brook (not across the
brook). Elsewhere areas in this old pasture
but none in flower. e

Same locality but date of Dec. 5, 1937
H.A. Allard

3894 (1) Botrychium dissectum Spreng
In ravine of old field here
* 3893 found but farther west along the
brook course. scattered here. e

ditto

3895 (2) Malus glaucescens Rehder
fruit sections (See ink drawing) ditto
small thorny bushes found in high pasture
west of High Point and N. of woods. Fruit green
small, abundant Dec 5, 1937 and not frozen.
Leaves too broad and lobed for M. coronaria. Obtain e
leaves and flowers summer of 1938.
(Some preserved in alcohol, ie entire fruit)

3896 (1) Cladonia verticillata f. evoluta
lichens tops, in tiers, etc.
abundant on soils
a genuine association here.
and f. apoticia (Ach.) Wain. 3896A: C. cristatella f. beauvoisii (Del.) Wain.

Wild galled places in pasture below High Point etc.
Bull Run Mts, Fauquier Co., Va
Dec. 5, 1937
H.A. Allard

3897 (1) Moss on large bare areas
on ridge below the top of
Pond Mtn, 2nd knob, covers much
of the sandy barren ground on these
quartzite soils.
Polytrichum juniperinum Willd.

Pond Mts, Va
~~Prince William~~ Co.,
Dec. 12, 1937
H.A. Allard -
Fauquier Co.

3898 Moss (Catharinea ?)
(1) Large horizontal surface
of large rocks at top of
High Point covered with a pure
stand of its mats - on a thin
film of humus, organic soil.

Bull Run Mts. Va
At High Point,
on Fauquier - Prince
William Co. line
January 9, 1938.
H.A. Allard

3899 (1) Myrica cerifera L. ? (see determ.) Near Fairfax, Va
fruit very small; leaves Fairfax Co.
of cerifera form. Not yet H.A.A
reported in District flora, but
Fairfax is just outside the District area
covered by this flora. e 1938
several specimens found in woods
wild.

3900 (1) Hygrophora vellea Bull Run Mt. Va
January 23, 1938
on rocks at High Point
or just south on scarp, H.A. Allard.
with Umbilicaria pustulata.

3901 (1) Umbilicaria pustulata
Growing with
3900 on same rocks -
at High Point. Va

ditto

3902 (1) Lichen (Peltigera ?)
On ground in chestnut oak
growth on slope back of Harris's, 2 miles
North of Hopewell Gap. This slope
covered with Christmas fern. Lost leather case
of Bivi photometer here (left it)
This lichen abundant here.
= Peltigera polydactyla (Neck.) Hoffm.
ident 2-9-38 by W.W. Diehl, U.S.D.A.

Feb. 6, 1938,
H.A.A.

3903 (3) Crustose lichens on western granite
cliffs on cut-off just back (north) of
Harris' Place.) frequent on these
ledges.

Feb 13, 1938,
H.A.A

3904 (1) Moss - Catharinea ?
on ground in woods N. of
Hopewell Gap - abundant

ditto,
2-13-38

3905 (1) Moss -
Sphagnum: abundant in low
wet ground along brook west of
interior valley road to Ashby's -
ie just N.W. of Mrs Ashby's.

ditto
2-13-38.

3906 Moss: at base of large pine in woods on slope west of interior valley road leading to Mrs. Ashby's near the "hill"; Moss on foot from ground.
(2)
Bull Run Mt. Va.
Feb. 13, 1938.
H.A. Allard.

3907 Veronica polita Fries.
abundant; full bloom.
(1) very common on edge of walks, etc.
Flowers open only in sunshine.
Arlington Farm
Arlington Co. Va.
Feb. 25, 1938
on Lawn. H.A. Allard
e

3908 Cetraria islandica (L.) Ach.
(1) west slope, at about alt. of 3000 ft. on dry barren red shale ridge about 1½ mi. N. of trail. On soil; slope steep; scattered trees Pinus pungens etc.; old open formation
Mt. Elliott, Va
Augusta Co.
July 19, 1938
H.A. Allard
e

3909 Draba verna L
(1) old field north of Thoroughfare Gap just east of interior valley road. abundant; full bloom where little grass grows. This spot north of first old house site where huge fallen Black walnut tree was seen
Bull Run Mt. Va
Feb. 22, 1938
H.A. Allard
Prince William Co.
e

3910 ~~Alnus rugosa~~ ~~Corylus americana~~ Low ground ditto
(6) ~~Corylus americana~~ in interior valley road half way between Beverley Mill and Hopewell Gap; full bloom, abundant — in all low ground.
= Corylus americana Walt.
e

3911 Alnus rugosa (Du Roi) Spreng.
(5) same locality with # 3910.
very abundant; full bloom in all low ground or wet spots on ridges.
ditto
♀

3912 Lichen Cladonia mitrula Tuck.
(2) On ground in woods on ridge west of interior valley road north of Beverley Mill. (mostly, or largely sterile)
abundant—
ditto

Liverwort — ~~Porella~~ Frullania ~~asa~~-grayana Mont.
Red brown on rocks in woods; frequent.
Det.
3913 sometimes closely appressed at other times a mat on black thin brown layer on rock surface. (Ident. by Evans)
(2)
Bull Run Mt. Va
Prince William Co.
Feb. 22, 1938
H.A. Allard.

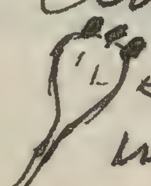
3914 Liverwort (small)
On rock surfaces in woods on west slope High Point ridge.
(1) occasional; pale green in color.
Leucolejeunea clypeata (Schwein.) Evans.
(Ident by Evans)
ditto

3915 Liverwort Porella platyphylloidea (Schwein.) Lindb. sterile.
(Large) on rocks with # 3914
(1) in woods in same locality; occasional
Ident. by Evans
ditto
3915a = Grimmia pilifera P.B.

3916 Moss.
On rocks in woods
(2) abundant; dull olive green.
Forms best on a black humus layer which it builds up.
Hedwigia albicans (Web.) Lindb.
ditto

3917 Moss on soil in woods.
(2) abundant in bare areas around trees etc.
ditto

3918 Cladonia
on old chestnut log.
(1) = C. cornucraea f. ceratodes (Flörke)
Fauquier Co., Bull Run Mt., Va
Feb. 27, 1938
H.A. Allard
In woods below High Point, west slope trail.

3919 Cladonia sp
(1)

← pear shaped — uncommon
on soil on top of ridge at High Point
ditto
= Cladonia papillaria f. $\binom{2}{}$ f. molariformis (Hoffm.) Schaer. emend. papillosa Fr.

Cladonia

Bull Run Mt, Va
Feb. 27, 1938
H.A. Allard

3920 In woods on log
west slope below High Point, Fauquier Co.
// = C. coniocraea (Floerke) Wain.

3921 Cladonia
On soil in woods
same loc. with # 3920
// ditto
= C. caespiticia (Pers.) Floerke.

3922 Cladonia
On soil near # 3921 ditto
// = C. pityrea (Floerke) Fr.

3923 Cladonia ditto
On bark, base of tree trunk
// near # 3921.
= C. chlorophaea f. simplex (Hoffm.) Arn.

3924 Cladonia ditto
On bark base of tree trunk
near # 3921
= C. borbonica f. cylindrica Evans.

3925 Cladonia ditto
// On soil near # 3921
= C. chlorophaea f. simplex (Hoffm.) Arn.

3926 Cladonia ditto
// on soil near # 3921
= C. chlorophaea f. simplex (Hoffm.) Arn.

Cladonia

Bull Run Mt. Va.,
~~Culpeper~~ Fauquier Co.,
Feb. 27, 1938
H.A. Allard.

3927 on rotten log,
in woods below
High Point, west slope
//
= C. pityrea (Floerke) Fr.

3928 Cladonia ditto
// Old wood on log
near # 3927
= C. chlorophaea f. simplex (Hoffm.) Arn.

3929 Cladonia
// On soil near # 3927 ditto
= C. papillaria f. molariformis (Hoffm.) Schaer.

3930 Cladonia
// On dead stump near # 3927 ditto
= C. pityrea (Floerke) Fr.

3931 Cladonia
// On soil, woods near # 3927 ditto
= C. caespiticia (Pers.) Floerke.

3932 Cladonia
// On bark on log, woods,
near # 3927 ditto
= C.

3933 Cladonia
// On soil near # 3927 ditto
= C. papillaria f. f. molariformis (Hoffm.) Schaer and papillosa Fr.

3934 Cladonia — Bull Run Mt., Va, Fauquier Co. Feb. 27, 1938. H. A. Allard
soil, top of ridge at High Point.
(1) (doubtful, thallus only.)

3935 ~~Cladonia~~ — ditto
On soil near # 3934
(1) = Baeomyces roseus Pers. Det. by E. C. L.

3936 Cladonia — ditto
On soil in woods, west slope below High Point,
(1) = C. papillaria f. papillosa Fr.

3937 ~~Cladonia~~ Lichen. — ditto
On bark of tree near # 3936.
(1) sessile cream colored apothecia - grayish thallus.

3938 Cladonia — ditto
On dead fallen tree near # 3936
(1) = C. caespiticia (Pers.) Floerke.

3939 Cladonia — ditto
on bark of log near # 3936
(1)

3940 ~~Cladonia~~ Parmelia caperata (L.) Ach. — ditto
on bark of dead tree near # 3936. Det. by E. C. Berry
(1)

3941 Cladonia — Bull Run Mt., Va, Feb. 27, 1938, H. A. Allard, Fauquier Co.
on soil in woods west slope below High Point
(1) = C. caespiticia (Pers.) Floerke and C. bacillaris (Ach.) Nyl.

3942 Cladonia — ditto
Top of ridge at High Point, on soil, woods.
(1) = C. papillaria f. molariformis (Hoffm.) Schaer.

3943 ~~Cladonia~~ — ditto
On soil near # 3942
(1) Jamesoniella autumnalis (DC.) Steph. (Hepatic)

3944 Cladonia — ditto
on turned dead log near # 3941
(1) C. pityrea (Floerke) Fr.

3945 Cladonia — ditto
On soil near # 3942
(1) = C. caespiticia (Pers.) Floerke and a little. C. papillaria f. papillosa. Fr.

3946 Cladonia — ditto
On soil near # 3942
(1) C. papillaria f. molariformis (Hoffm.) Schaer and f. papillosa Fr.

3947 Cladonia — ditto
On soil with # 3942
(1) = C. papillaria f. molariformis (Hoffm.) Schaer.

Cladonia — Bull Run Mt, Va, Feb. 27, 1938, H.A. Allard, Fauquier Co.

3948 on dead wood, west slope, in woods below High Point
(1)
(begin)

~~Cladonia~~ — ditto

3949 on rocks and trees
(1) near # 3948 — everywhere the most abundant lichen. color olive green

3950 Cladonia — ditto
(1) On rotten wood in woods below High Point, west slope near # 3948
= C. pityrea (Floerke) Fr.

3951 Cladonia — ditto.
(1) on rotten wood, logs near # 3948 abundant. = C. pityrea (Floerke Fr.

3952 Cladonia verticillata f. evoluta (Fr.) Stein — ditto
(1) Between andropogon scoparius clumps in field beyond Riley's cabin, N.W slope, south of Hopewell Gap.
~~was~~ fine broomsedge field studied here.

3953 Cladonia verticillata f. evoluta (Fr.) Stein — ditto
(1) same data as for # 3952

3954 Cladonia — ditto
(1) same data as for # 3952
= C. verticillata f. evoluta (Fr.) Stein

Cladonia — Bull Run Mt, Va, Feb. 27, 1938, H.A. Allard., Fauquier Co., and

3955 Same data as for # 3952
(1) = C. cristatella f. Beaurnoisii (Del.) Vain and f. vestita Tuck.

3956 Cladonia — ditto
(1) Same data as for # 3952
= C. cristatella f. Beaurnoisii (~~Del.~~ Fr.) Stein

3957 Cladonia — ditto
(1) same data as for 3952.
= C. verticillata f. evoluta (Fr.) Stein

3958 Cladonia tenuis (Floerke) Harm. — ditto
(1) Same data as for # 3952
reindeer moss.

3959 Cladonia — ditto
(1) Same data as for # 3952
= C. verticillata f. evoluta (Fr.) Stein and f. Phyllocephala (Flot.) Oliv.

3960 Cladonia — ditto
(1) Same data as for # 3952
3960 b = C. mitrula Tuck. (red heads on stalks)
= C. cristatella f. Beaurnoisii (Del.) Vain.
3960 A = C. " f. vestita Tuck.

3961 Cladonia — ditto
(1) Same data as for # 3952
= C. subcariosa f. evoluta Vain.

Cladonia — Bull Run Mt, Va — Feb. 27, 1938 — H.A. Allard — Fauquier Co.

3962 Between andropogon scoparius clumps in fine broomsedge field being studied beyond Riley's cabin, N.W. slope, south of Hopewell Gap. All these interstitial colonies, i.e. between clumps were on bare ground or dead detritus
(1)
= C. verticillata f. evoluta (Fr.) Stein.

3963 Cladonia — ditto
(1) Same data as for # 3962
= C. cristatella f. Beauvoisii (Del.) Vain.

3964 Cladonia — ditto
(1) Same data as for # 3962
(sterile thallus) ? ?

3965 Cladonia — ditto
(1) Same data as for # 3962
= C. subcariosa f. evoluta Vain

3966 (1) Peltigera horizontalis (Huds.) Baumg. — ditto
also same 3966 (2), and 3966a, 3966b, 3966c, 3966d
(4) (5) On soil in pasture near Riley's cabin south of Hopewell Gap.
(5)

3967 Cladonia — ditto
(1) Same data as for # 3962
= C. subcariosa f. evoluta Vain.

3968 ~~Cladonia~~ Lichen Baeomyces rosea (Pers — ditto
(1) Same data as for # 3962
Small pink heads on short peduncles, and also tiny green ~~papillae~~ papillae sessile ? Pers.

Cladonia — Bull Run Mt, Va — Feb. 27, 1938 — H.A. Allard — Fauquier Co.

3969 Same data as for # 3962
(1)
= C. subcariosa f. evoluta Vain.

3970 Cladonia — ditto
Same data as for # 3962
(1)
C. subcariosa f. pleurocarpa Robbins.

3971 Cladonia — ditto
Same data as for # 3962
(1)
= C. subcariosa f. evoluta Vain and f. pleurocarpa Robbins and f. squamulosa Robbins

3972 Cladonia — ditto
Same data as for # 3962
(1)
= C. pleurota (Floerke) Schaer.

3973 Cladonia — ditto
(1) Same data as for # 3962
= C. subcariosa f. evoluta Vain and f. pleurocarpa Robbins and f. squamulosa Robbins.

3974 Cladonia — ditto
(1) Same data as for # 3962
= C. piedmontensis f. lepidifera (Vain) Robbins.

3975 Cladonia — ditto
Same data as for # 3962
(1)
= C. subcariosa f. evoluta Vain and f. squamulosa Robbins.

Cladonia — Bull Run Mt. Va — Feb. 27, 1938 — H. A. Allard — Fauquier Co.

3976 Between clumps of Andropogon scoparius in old field beyond Riley's cabin, N.W. slope, south of Hopewell Gap. This the dense pure stand of A. scoparius being studied = C. subcariosa Nyl. (Thallus)

(1)

3976a = C. subcariosa Nyl. and C. caespiticia (Pers.) Floerke.

3977 Cladonia — ditto

(1) Same data as for # 3976

= C. piedmontensis f. lepidifera (Vain.) Robbins.

3978 Cladonia — ditto

(1) Same data as for # 3976

C. subcariosa Nyl and f. evoluta Vain.

3979 Cladonia — ditto

(1) same data as for # 3976

= C. cristatella Tuck.

3980 Cladonia — ditto

(1) Same data as for # 3976

(sterile thallus) ? ?

3981 Cladonia — ditto

(1) Same data as for # 3976

C. apodocarpa Robbins.

3982 Cladonia — ditto

(1) Same data as for # 3976

= C. subcariosa f. evoluta Vain.

Cladonia. — Bull Run Mt. Va — Feb. 27, 1938 — H. A. Allard — Fauquier Co.

3983 Same data as for # 3976.

(1) = C. subcariosa f. evoluta Vain and f. pleurocarpa Robbins.

3984 Cladonia — ditto.

(1) Same data as for # 3976

= C. apodocarpa Robbins.

3985 Cladonia — ditto.

(1) Same data as for # 3976

= C. subcariosa f. evoluta Vain.

3986 Cladonia — ditto

(1) Same data as for # 3976

= C. apodocarpa Robbins.

3987 Cladonia — ditto

(1) Same data as for # 3976

= C. subcariosa f. evoluta Vain.

3988 Cladonia — ditto

(1) Same data as for # 3976

= C. verticillata f. evoluta (Fr.) Stein

3988a = C. subcariosa f. pleurocarpa Robbins and f. evoluta Vain.

3989 Cladonia — ditto

(1) Same data as for # 3976

= C. apodocarpa Robbins.

Cladonia

3990 (Between andropogon scoparius clumps in pure stand beyond Riley's cabin, N.W. slope, south of Hopewell Gap.
(1;)
= C. subcariosa f. evoluta Vain.

Bull Run Mts. Feb. 27, 1938 H.A. Allard Fauquier Co.

3991 Cladonia
(1) Same data as for # 3990 — ditto
= C. subcariosa f. evoluta Vain.

3992 Cladonia
Same data as for # 3990 — ditto
(1)
= C. verticillata f. evoluta (Fr.) Stein and f. apoticta (Ach.) Vain.

3993 3993b = Cladonia subcariosa f. evoluta Vain. and C. cristatella f. vestita Tuck.
Same data as for # 3990 — ditto
(1)
= C. subcariosa f. evoluta Vain. and a little C. verticillata f. evoluta (Fr.) Stein.
3993a = C. mitrula f. imbricata (Nyl.) Vain.

3994 Cladonia
Same data as for # 3990 — ditto
V1
= C. subcariosa f. evoluta Vain. and a little f. pleurocarpa Robbins.
3994a = C. verticillata f. evoluta (Fr.) Stein.

3995 Cladonia
Same data as for # 3990 — ditto
(1)
= C. subcariosa f. evoluta Vain.

3996 Cladonia
Same data as for # 3990 — ditto
(1)
= C. subcariosa f. evoluta Vain.

Cladonia

3997 Same data as for # 3990
V1 = C. subcariosa Nyl. thallus

Bull Run Mt., Va. Feb. 27, 1938 H.A. Allard Fauquier Co.

3998 b = C. cristatella f. vestita Tuck.
Cladonia
Same data as for # 3990 — ditto
(1)
= C. subcariosa f. evoluta Vain.
3998a = C. subcariosa f. evoluta Vain.

3999 Cladonia
V1 Same data as for # 3990 — ditto
= C. subcariosa f. evoluta Vain.

4000 Cladonia
V1 Same data as for # 3990 — ditto
= C. piedmontensis f. lepidifera (Vain.) Robbins

4001 Cladonia
Same data as for # 3990 — ditto
(1)
= C. cristatella f. Beauvoisii (Del.) Vain.

4002 Cladonia
Same data as for # 3990 — ditto
(1) = C. verticillata f. evoluta (Fr.) Stein and f. phyllocephala (Flot.) Oliv.

4003 Cladonia
Same data as for # 3990 — ditto
(1)
= C. cristatella Nyl.

Cladonia = Feb. 27, → Bull Run Mt, Va
Feb. 27, 1938
H.A. Allard
Fauquier Co.

4004 Between broomsedge clumps (Andropogon scoparius) in old field beyond Riley's cabin, N.W. slope, south of Hopewell Gap.
//
= C. mitrula f. imbricatula (Nyl.) Vain.

4005 Cladonia
Same data as for # 4004 — ditto
//
= C. verticillata f. evoluta (Fr.) Stein

4006 Cladonia
Same data as for # 4004 — ditto
//
= C. tenuis (Floerke) Harm.
4006a = C. subcariosa f. evoluta Vain.

4007 Cladonia
//
Same data as for # 4004 — ditto
= C. piedmontensis f. lepidifera (Vain.) Robbins and f. squamulosa Robbins.

4008 Cladonia
//
On dead log west slope below High Point in woods — ditto
= C. delicata (Ehrh.) Floerke and a little f. quercina (Pers.) Vain.

4009 Cladonia
//
Same data as for # 4004 — ditto
= C. tenuis (Floerke) Harm.

4010 Cladonia
//
Same data as for # 4004 — ditto
= C. sterile.

Cladonia Bull Run Mt, Va
Feb. 27, 1938
H.A. Allard
Fauquier Co.

4011 On dead log near # 4008
//
= C. delicata (Ehrh.) Floerke.

4012 Cladonia
Same data as for # 4004 — ditto
//
= C. piedmontensis f. squamulosa Robbins.
4012a = C. subcariosa f. evoluta Vain.

4013 Cladonia
//
On dead bark fallen log near # 4008 — ditto
= C. bacillaris (Ach.) Nyl.

4014 Cladonia
//
Same data as for # 4004 — ditto
= C. verticillata f. evoluta (Fr.) Stein and f. phyllocephala (Flot.) Oliv.

4015 Cladonia
//
Same data as for # 4004 — ditto
= C. verticillata f. evoluta (Fr.) Stein

4016 Cladonia
//
Same ~~data~~, as for # 4008, (on dead log) — ditto
C. bacillaris (Ach.) Nyl.

4017 Cladonia
//
Same ~~data~~, as for # 4008 (on dead log) — ditto
= C. caespiticia (Pers.) Floerke.

Cladonia | Bull Run Mt., Va
Between Andropogon scoparius clumps in old field beyond Riley's cabin, N.W. slope, south of Hopewell Gap. | Feb. 27, 1938 H.A. Allard Fauquier Co.

4018 (1) = C. piedmontensis f. squamulosa Robbins.

4019 Cladonia
(1) Same data as for # 4018 — ditto
= C. verticillata f. evoluta (Fr.) Stein.

4020 Cladonia
(1) Same data as for # 4018 — ditto
= C. subcariosa f. evoluta Wain. and f. squamulosa Robbins.

4021 Peltigera horizontalis (Huds.) Baumg.
(1) In woods on damp soil in ravine. — ditto

4022 Cladonia ?
(1) In pasture, west slope below High Point. On old Chestnut fence. — ditto
= C. cristatella f. vestita Tuck.

4023 Cladonia
(1) Same data as for # 4018 — ditto
= C. cristatella f. Beauvoisii (Del.) Wain.

4024 Cladonia
(1) Same data as for # 4018 — ditto
C. grayi f. simplex Robbins and f. squamulosa

Cladonia | Bull Run Mt. Va
Same data as for # 4018 | Feb. 27, 1938 H.A. Allard Fauquier Co.

4025 (1) = C. verticillata f. evoluta (Fr.) Stein.

4026 Cladonia
(1) Same data as for # 4018 — ditto
= C. verticillata f. evoluta (Fr.) Stein.

4027 Cladonia.
(1) On dead basal stems of dead clumps of Andropogon virginicus, south of Hopewell Gap, on west slope near Hopewell to Broad Run highway. = C. grayi Mer. — ditto

---

4028 Cladonia
(1) Same data as for # 4027 — ditto
= C. cristatella Nyl (young stage)

4029 Cladonia
(1) Same data as for # 4027 — ditto
= C. cristatella f. Beauvoisii (Del.) Wain.

4030 Cladonia
(1) Same data as for # 4027 — ditto
= C. piedmontensis Mer.

4031 Cladonia
(1) Same data as for # 4018 — ditto
= C. subcariosa f. evoluta Wain.

4032b = Cladonia subcariosa f. evoluta vain. | Bull Run Mt., Va
Between clumps of Andropogon scoparius | Feb. 27, 1938
4032 in field beyond Riley's cabin, N.W. slope, south of Hopewell Gap | H.A. Allard | Fauquier Co.
C. subcariosa f. evoluta vain.
4032a = C. cristatella Tuck.

4033 Cladonia — ditto
Same data as for # 4032
= C. cristatella f. vestita Tuck. squamules few
4033a = C. " f. beauvoisii (Del.) vain.
4033b = C " f. evoluta (Fr.) Stein.

4034 Cladonia — ditto
On dead basal stems of dead clump of Andropogon virginicus in old field beyond Riley's cabin, N.W. slope, south of Hopewell Gap.
= C. piedmontensis Mer. (mostly thallus)

4035 = Cladonia piedmontensis Mer. (") — ditto
Same data as for # 4034

4036 Cladonia tenuis Floerke. — ditto
Same data as for # 4032

4037 Cladonia — ditto
On soil on top of ridge at High Point. (sterile)

4038 Cladonia — ditto
Same data as for # 4032
= C. subcariosa f. squamulosa Robbins.

4039 Cladonia | Bull Run Mt., Va.
Same data as for # 4034 | Feb. 27, 1938 | H.A. Allard | Fauquier Co.
= C. cristatella f. Beauvoisii (Del.) vain.

4040 Cladonia — ditto
Same data as for # 4032
= C. piedmontensis f. squamulosa Robbins.

4041 Cladonia — ditto
Same data as for # 4032
= C. grayi Mer.
4041a = C. subcariosa f. evoluta vain. and f. squamulosa Robbins

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4042 Lichen — data
On old chestnut rail fence in old field west slope below High Point in pasture.

4043 = Cladonia caespiticia (Pers.) Floerke — ditto
On debris on ground west slope, in woods below High Point

4044 = Cladonia cristatella Tuck. — ditto
Same data as for # 4034

4045 Cladonia subcariosa Nyl. — ditto
Same data as for # 4032

Cladonia — Bull Run Mt., Va — Feb. 27, 1938 — H.A. Allard — Fauquier Co.

4046 Between andropogon scoparius clumps in old field beyond Riley's cabin, N.W. slope, south of Hopewell Gap.
(1)
= C. verticillata f. evoluta (Fr.) Stein.

4047 Cladonia grayi Mer — ditto
(1) same data as for # 4046
4047a = C. verticillata (Hoffm.) Schaer.

4048 Cladonia chlorophaea (Floerke) Spreng. — ditto
(1) On dead basal stems of dead andropogon scoparius clumps beyond Riley's cabin, N.W. slope south of Hopewell Gap.

4049 Cladonia — ditto
(1) Same data as for # 4046
= C. verticillata f. evoluta Vain and f. apoticta (Ach.) Vain.

4050 Cladonia — ditto
(1) Same data as for # 4046
C. piedmontensis Mer.

4051 Lichen — ditto
(1) On old chestnut rail fence in pasture, west slope, below High Point near Hopewell to Broad Run highway

4052 Cladonia tenuis (Floerke) Harm. — ditto
(1) same data as for # 4046.

Reindeer moss.

Cladonia — Bull Run Mt., Va — Feb. 27, 1938 — H.A. Allard.

4053 same data as for # 4046
(1)
= C. subcariosa f. squamulosa Robbins.

4054 Lichen — ditto
(1) same data as for # 4051

4055 Cladonia — ditto
(1) Same data as for # 4046
C. grayi p.p. f. prolifera.

4056 Cladonia apodocarpa Robbins. — ditto
(1) On damp soil in woods, west slope below High Point

4057 Cladonia — ditto
(1) On dead wood in woods, west slope below High Point
= C. delicata f. quercina (Pers.) Vain.

4058 Cladonia — ditto
(1) Same data as for # 4046
= C. apodocarpa Robbins.

4059 Cladonia — "
(1) same data as for # 4046
= C. piedmontensis f. squamulosa Robbins
4059a = C. " f. " "

4060 Cladonia tenuis (Floerke) Harm. Between Andropogon scoparius clumps in old field beyond Riley's cabin, N.W. slope, south of Hopewell Gap.
(1) Bull Run Mt., Va. Feb. 27, 1938. H.A. Allard. Fauquier Co.

4061 Cladonia
(1) same data as for # 4060 ditto
= C. subcariosa f. evoluta Vain. and f. pleurocarpa Robbins.

4062 Cladonia apodocarpa Robbins.
(1) same data as for # 4060 ditto

4063 ~~Cladonia~~
(1) same data as for # 4060 ditto
Baeomyces roseus Pers.

4064 Cladonia
(1) Same data as for # 4060 ditto
= C. subcariosa f. evoluta Vain. and f. pleurocarpa Robbins and f. squamulosa Robbins.

4065 Cladonia
(1) Same data as for # 4060 ditto
(sterile thallus)

4066 Cladonia
(1) same data as for # 4060 ditto
= C. subcariosa f. evoluta Vain.

4067 Cladonia
(1) Same data as for # 4060. Bull Run Mt., Va. Feb. 27, 1938. H.A. Allard. Fauquier Co.
= C. cristatella f. beaumontii (Del.) Vain.

4068 Cladonia
(1) Same data as for # 4060 ditto.
C. verticillata f. evoluta (Fr.) Stein.

4069 Cladonia tenuis Floerke.
(1) Same data as for # 4060 ditto

4070 Cladonia cristatella f. beaumontii (Del.) Vain.
(1) On dead basal stems of dead Andropogon virginicus clumps in old field south of Hopewell Gap, west slope near Hopewell to Broad Run highway. ditto

4071
(1) Cladonia
Same data as for # 4060 ditto
C. verticillata f. evoluta Fr. Stein.

4072 Cladonia
(1) In woods on ground west of slope, below High Point. ditto
= C. apodocarpa Robbins.

4073 Cladonia
(1) same data as for # 4060 ditto
= C. cristatella f. beaumontii (Del.) Vain.

Cladonia = Feb 27 → Bull Run Mt, Va
Feb. 27, 1938
H.A. Allard
Fauquier Co.

~~Between~~ Andropogon
4074 scoparius clumps,
(1) beyond Riley's cabin
N.W. slope, south of Hopewell Gap.
= C. grayi f. p. f. prolifera.

4075 Cladonia
(1) Same data as for #4074 ditto
= C. piedmontensis f. squamulosa Robbins

4076 Cladonia
(1) same data as for #4074 ditto
= C. subcariosa f. evoluta Vain. and f. squamulosa Robbins.

4077 Cladonia
(1) Same data as for #4074 ditto
= C. cristatella f. vestita Tuck.

4078 Cladonia
same data as for #4074 ditto
(1)
= C. verticillata f. evoluta (Fr.) Stein

4079 Cladonia
(1) Same data as for #4074 ditto
= C. verticillata f. evoluta (Fr.) Stein.

4080 Cladonia
(1) Same data as for #4074 ditto
= C. cristatella f. evoluta (Fr.) Stein

Cladonia Bull Run Mt, Va
(reindeer moss) Feb. 27, 1938
4081 Same data as for #4074 H.A. Allard, Fauquier Co.
(1)
= C. tenuis (Floerke) Harm.

4082 Cladonia
(1) On dead log (bark) west
slope below High Point ditto
= C. didyma f. subulata Sandst.

4083 Moss
(2) on ground beneath a young
pin oak (Quercus palustris) in broomsedge
field near Hopewell to Broad Run Station highway.
Completely covered the ground to periphery of tree making a
sharp ecotone with Andropogon virginicus in this
field

4084
(1) Moss
In rocky damp ravine ditto
west slope below High Point
on rocks and banks.

4085 ~~Cladonia~~
(moss)
(1) ditto
on log in ravine where #4084
was found; abundant on logs, banks
etc.

4086 Peltigera (lichen) = horizontalis (Huds.) Baumg. ditto
and moss
(1)
on ground near #4084
4086A = Hypnum curvifolium Hedw.

4087 Moss Thelia asprella (Schimp.) Sullivant.
On soil in deciduous woods ditto
(2) south of Hopewell Gap, west slope below
High Point.

Moss | Bull Run Mt., Va Feb. 27, 1938 H.A. Allard Tiangsnier Co.

4088 (1) On rocks in damp ravine below High Point, west slope south of Hopewell Gap.

4088 A (4) Spathyema foetida (L.) Raf. in swamp among rocks in ravine below High Point. west slope. | ditto

4089 (3) Stellaria media L. along in yard of cabin beyond Costello's where Riley's lived 1937. south of Hopewell Gap North west slope everywhere; full bloom all winter. | ditto

4090 (1) Rock lichen (pale yellow) on western ledges north of Hopewell Gap at crest of eastern most ridge north of Ashby's place. A most abundant rock species and everywhere. | Bull Run Mt. Va March 6, 1938 H.A. Allard Prince William Co.

4091 (1) Cladonia sanguilenta f. styracella (Ach.) Vain. (K+) (P+)
4091a C. chlorophaea (Floerke) Spreng. very scanty.
On soil on middle ridge north of Hopewell Gap, in woods east of Owen's property, ridge east, and east slope | ditto

4092 (1) Cladonia caespiticia (Pers.) Floerke. On large flat rock on same slope below # 4091. This covered with blackberry and mosses and Polypodium vulgare. On east slope of middle ridge east of Owens' property in woods | ditto

4093 (1) Cladonia grayi Mer. (P-) in large part On dead log in same locality with # 4092 | ditto

4094 (1) Cladonia (Same as 4091 above) On soil on top of middle ridge where # 4091 occurred. In Chestnut Oak stand (pine) photo. | ditto

Cladonia | Bull Run Mt., Va March 6, 1938 Prince William Co. H.A. Allard. North of Hopewell Gap

4095 (1) On soil on top of middle ridge N. E. of Owens, in Chestnut Oak woods.

4096 (1) Peltigera polydactyla (Neck.) Hoffm. Same locality with # 4095 | ditto

4097 (1) Cladonia papillaria f. molariformis (Hoffm.) Schaer. On soil valley road, on bank, where it leads to Mrs. Ashby's place. | ditto

4098 (1) Cladonia = Same as 4092 above. On large flat-topped rock photographed with # 4092 | ditto

4099 (1) Cladonia didyma f. subulata (Pers.) Vain. On old log on west slope of eastern most ridge 1 mile N of Mrs. Ashby's. | ditto

4100 (1) Cladonia (?) On soil near # 4095 very abundant crustose form on soil. | ditto

4101 (1) Cladonia coniocraea f. ceratodes (Floerke) Vain. On earth on upturned roots of tree fall in swamp at foot of east slope of middle ridge. | ditto

4102 Cladonia chlorophaea f. simplex (Hoffm.) Arn.
On soil in woods on middle ridge N.E. of Owen's home
Bull Run Mt., Va North of Hopewell Gap, Prince William Co., March 6, 1938 H.A. Allard.

4103 Moss.
(1) On dead log in swamp between easternmost ridge and middle ridge, ½ mile north of Mrs. Ashby's.
ditto

4104 Cladonia.
(1) On soil of easternmost ridge west slope, north of Mrs. Ashby's one mile = same as 4101 + f. truncata (Floerke) Vain.
ditto

4105 Lichen + Cladonia same as 4092
(1) On huge rock photographed see #4092 - abundant on surface where some humus etc.
ditto

4106 Cladonia = Same as 4101
(1) On soil of same upturned tree with #4101.
ditto

4107 Cladonia = cristatella f. f. beauvoisii (Del.) Vain. with red and scyphulifera Sandst. branched apothecia
(1) On same upturned tree roots on surface soil on roots see #4101
ditto

4108 Cladonia = same as 4092
(1) On soil on bank beside interior road leading to Mrs. Ashby's at foot of west slope of easternmost ridge.
4108a = same as 4092
ditto

4109 Cladonia bacillaris (Ach.) Nyl.
(1) On soil on upturned roots of huge tree with #4107 + #4101
Bull Run Mt., Va March 6, 1938. H.A. Allard. North of Hopewell Gap.

4110 Cladonia = same as 4099
(1) On dead log in woods, on middle ridge N.E. of Owen's home.
ditto

4111 Lichen + Cladonia same as 4092
(1) On huge flat rock photographed see #4092
4111a = same as 4092
ditto

4112 Cladonia = same as 4092
(1) On soil by roadside near #4108
ditto

4113 Cladonia grayi Mer.
(1) On soil by roadside with #4108
ditto

4114 Cladonia same as 4102
(1) On soil in woods easternmost ridge. near #4104
ditto

4115 Cladonia same as 4092
(1) On dead log, on easternmost ridge near #4104.
ditto

4116 Lichen Parmelia quercina (Willd.) Vain. On bark of old tree. on easternmost ridge North of Mrs. Ashby's about 1 mile.
(1)
Bull Run Mt., Va. North of Hopewell Gap, Prince William Co., March 6, 1938. H.A. Allard.

4117 Cladonia same as 4099 On dead wood of fallen tree near # 4116 — ditto
(1)

4118 Moss On bark on log west slope of easternmost ridge north of Mrs. Ashby's 1 mile. — ditto
(1)

4119 Moss = Hypnum crista-castrensis L. On bark on log near # 4118 Hypnum crista-castrensis L. — ditto
(1)

4120 Moss On soil near # 4118 — ditto
(1)

4121 Moss Hypnum? On soil near # 4118 Forms huge, loose mats, yellowish or brassy green. very beautiful. appressed, fern-like — ditto
(1)

4122 Moss On rock near # 4118. — ditto
(1)

4123 Moss On soil in open pasture just north west of Owens place north of Hopewell Gap road.
Bull Run Mt., Va. North of Hopewell Gap, March 6, 1938 H.A. Allard. Prince William Co

4124 Moss Hypnum. On soil, west slope in woods on easternmost ridge north of Hopewell Gap one mile. — ditto
(1)

4125 Moss. In same locality near # 4123 — ditto
(1)

4126 Moss Growing near # 4123 — ditto
(1)

4127 Moss On soil on bank in same pasture with # 4123 — ditto
(1)

4128 Moss Same locality with # 4123. — ditto
(1)

4129 Moss. Same locality with # 4123. — ditto
(1)

4130 Moss. On soil on banks in open pasture north of Owens property. Bull Run Mt, Va. North of Hopewell Gap, Prince William Co., March 6, 1938 H.A. Allard.
(1)

4131 Moss
(1) Growing near # 4130 in same open pasture — ditto

4132 Moss
(1) In same pasture and habitat near # 4130 — ditto

4133 Moss
(1) Growing near # 4130 same slope, open pasture — ditto

4134 Moss.
(1) Growing near # 4130 in same pasture. — ditto

4135 Moss 4135a = Ptychomitrium incurvum (Schwaegr.) Sullis. family Grimmiaceae.
(1) In same open pasture with # 4130 — ditto
= Hedwigia albicans (Web.) Lindb.
4135A = Ptychomitrium incurvum (Schwaegr.) Sullis.

4136 Moss
(1) In same pasture on soil with # 4130 — ditto

4137 Moss On soil in open pasture on hill slope north of the Owens place. Bull Run Mt., Va. March 6, 1938 H.A. Allard. North of Hopewell Gap Prince William Co
(1)

4138 Moss Thuidium ?
(1) In wet soil in swamp between middle ridge and easternmost one 1 mile north of Mrs. Ashby's. — ditto

4139 Moss Thuidium On log near # 4138
(1) — ditto

4140 Moss
(1) On log in same place with # 4139 — ditto

4141 Liverwort = Ptilidium pulcherrimum (Web.) Hampe. dark reddish.
(1) On log in same swamp near # 4138 Ident. by Evans. — ditto

4142 Moss.
(1) On soil on east slope on middle ridge in Chestnut Oak stand here. — ditto

4143 Moss
(1) On log in swamp near # 4138. — ditto
Hypnum crista-castrensis L.
= Hypnum crista-castrensis L.

4144 Moss
On large rock photographed on east slope of middle ridge 1 mile or more N. of Hopewell Gap.
Bull Run Mt., Va North of Hopewell Gap, March 6, 1938 H. A. Allard. Prince William Co.
This rock with Polypodium vulgare in crevice on side (photo) and Rockferns on top etc.

4145 Moss
On same rock with # 4144 — ditto

4146 Liverwort & Metzgeria conjugata Lindb.
On shelf of rock in brook just above water, but often overflowed between middle ridge and easternmost ridge, north of Mrs. Ashby's 1 mile. — ditto

4147 Moss
On rock on east slope of middle ridge with # 4144 — ditto

4148 Moss.
On rock on middle ridge, east slope 1 mile N. of Hopewell Gap road. — ditto

4149 Moss
on rock on west slope of easternmost ridge in woods — ditto.

4150 Moss
On soil in woods on west slope of easternmost ridge 1 mile N. of Hopewell Gap on Mrs Ashby's — ditto

4151 Moss. On soil on west slope in woods on easternmost ridge North of Hopewell Gap 1 mile.
Bull Run Mt., Va North of Hopewell Gap, Prince William Co., March 6, 1938 H. A. Allard.

4152 Moss
On soil near # 4151 — ditto

4153 Moss
On soil near # 4151 — ditto

4154 Moss
On rock near # 4151 same ridge etc — ditto.

4155 Moss
On rock on west slope easternmost ridge near # 4151 — ditto

4156 Moss
On soil near # 4151 one mile north of Mrs. Ashby's — ditto

4157 Moss
On soil, on middle ridge N.E of Owens' place, ½ mile north of Hopewell to Antioch highway. — ditto

4158 Moss
(1) On soil on middle ridge north of Hopewell Gap road N.E. of Owens' place.
Bull Run Mt., Va
March 6, 1938
North of Hopewell Gap,
Prince William Co
H.A. Allard.

4159 Moss
(1) On soil near # 4158
ditto

4160 Moss.
(1) On soil in pasture just north west of the Owens house
ditto

4161 Moss.
(1) In woods on middle ridge N.E of Owens' place, in Chestnut Oak woods. on soil
ditto

4162 Moss
(1) On huge rock photographed middle ridge, east slope, with Polypodium in crevice - See #4144
ditto

4163 Moss
Sphagnum
(2) In swamp between middle and easternmost ridge North of Hopewell Gap, and north of Mrs. Ashby's 1 mile.
ditto

4164 Moss
Hypnum.
(1) On log in swamp near # 4163
very beautiful, fern-like golden green,
ditto

4165 Moss
(1) On log on turn (1937 turned) on crest of middle ridge N.E of Owens' place 1 mile.
Polytrichum ohioense Ren
?
Bull Run Mt. Va
North of Hopewell Gap,
March 6, 1938
H.A. Allard
Prince William Co,

Rare in Bull Run area.
~~4166~~ #4167 (5) ~~Lysimachia~~ nasturtium-aquaticum L
Flowered in greenhouse Feb. 28/1938.
In Pond Mountains, west slope in rocky ravine in run-off from spring 2 miles, south of Thoroughfare Gap
Rare in Bull Run area.
Were collected in Dec. 12, 1937, grown in greenhouse to flowering stage, and material collected March 8, 1938.
Pond Mt, Va
~~ditto~~
Fauquier Co
March 8, 1938,

~~4167~~ =#4166 Hedera helix L
Allard's garden on further willow Oak tree,
Fruiting mainly for the first time,
Fruiting branches spreading, leaves on these ovate or rounded - dimorphic
Arlington, Va
Arlington Co.
3000-7th St. N.,
H.A. Allard
March 6, 1938.

4168 Moss.
(1) Allard's garden on soil
Arlington Co. Va,
3000 7th St. North
Arlington, Va
March 12, 1938

4169 Moss on soil
(2) in Allard's garden
ditto

4170 Cladonia squamosa (Scop.) Hoffm. (scanty)
(1) On soil on top of dry ridge in Chestnut Oak woods.
Cladon
Bull Run Mt., Va
Fauquier Co.
South of Aldie 3½ miles
March 13, 1938
H.A. Allard

4171 Cladonia cristatella Tuck. apothecia mostly darkened.
(1) Same locality with # 4170
ditto

Cladonia
on soil on top of dry ridge in chestnut oak woods.
Bull Run Mt., Va
South of Aldie 3½ miles
Fauquier Co.
March 13, 1938
H A Allard.

4172
" = C. cristatella f. beauvoisii (Del.) Vain. mostly
4172a = C. bacillaris (Ach.) Nyl.

4173 Cladonia same as 4102
on soil in deciduous woods — 3 miles S. of Aldie — ditto

4174 Cladonia same as 4097
on soil in deciduous woods — 3 miles S. of Aldie — ditto
4174c = C. strepsilis (Ach.) Vain

4175 Cladonia cornuta f. simplex Robbins
" same loc. with # 4172 — ditto

4176 Cladonia pleurota (Floerke) Schaer — ditto
" with # 4173 — a mixture, not distinctive (P)

4177 Cladonia strepsilis f. glabrata Vain — ditto
" same loc. with # 4173. — mostly.

4178 Cladonia cristatella f. vestita T.&B. — ditto
" with # 4172 — mostly

Cladonia
Bull Run Mt., Va
South of Aldie 3½ miles
Fauquier Co.
March 13, 1938
H. A. Allard.

4179 Near # 4172
sterile, not determinable
" looks like C. coniocraea f. ceratodes (Floerke) Vain. E.C.L.

4180 Cladonia chlorophaea f. costata Del. — ditto
" with # 4172

4181 Cladonia chlorophaea (Floerke) Spreng. etc. — ditto
" with # 4173 (not good material)

4182 Cladonia same as 4181 — ditto
" with # 4173

4183 Cladonia mitrula f. imbricatula (Nyl.) Vain — ditto
" Near # 4172

4184 Cladonia chlorophaea (Floerke) Spreng. — ditto
" Near # 4173

4185 Cladonia same as 4184 — ditto
" with # 4172

4186 Cladonia same as 4097 +S. hoffii Bull Run Mt., Va South of Aldie 3½ miles Tanquier Co. March 13, 1938 H. A. Allard.
(1) on soil in deciduous woods. by woodroad South of Aldie 3 miles

4187 Cladonia same as 4101
(1) On soil top of dry ridge in chestnut oak woods. ditto
4187a = same as 4101

4188 Cladonia same as 4097
(1) with # 4187 ditto

4189 Cladonia = same as 4097
(1) with # 4186 ditto

4190 Cladonia squamosa (Scop.) Hoffm. ditto
(1) with # 4186
4190 a = C. pleurota (Floerke) Schaer etc.
4190 b = C. furcata (Hoffm.) Floerke.

4191 Cladonia cristatella Tuck. mostly
(1) same loc. with # 4187 ditto
4191 a = C. cristatella Tuck.

4192 Cladonia strepsilis f. coralloidea (Ach.) Vain. mostly
(1) with # 4186 ditto

4193 Cladonia Bull Run Mt., Va Tanquier Co., South of Aldie 3 miles March 13, 1938 H. A. Allard.
(1) On dead wood (log) in deciduous woods.
= C. cristatella Tuck. Not very good.

4194 Cladonia same as 4097 plus sterile squamules of something else
(1) On soil near # 4193 ditto

4195 Cladonia conivcraea f. truncata (Floerke) ½ ditto
(1) On soil near # 4193

4196 Cladonia pleurota (Floerke) Schaer. ditto
(1) On moss on bank in deciduous woods.

4197 Cladonia same as 4102
(1) On soil on dry ridge in chestnut oak woods. ditto

4198 Cladonia chlorophaea (Floerke) Spreng ditto
(1) with # 4197 (PT)

4199 Cladonia squamosa (Scop.) Hoffm. ditto
(1) with # 4197 (P)

4200 Cladonia grayi Mer. (P-) On soil on top of ridge in Chestnut Oak woods.
(1)
Bull Run Mt., Va
Fauquier Co.,
South of Aldie 3½ miles
March 13, 1938
H.A. Allard.

4201 Cladonia. Same as 4101 plus f. truncata (Floerke) Vain. ditto
(1) with * 4200

4202 Cladonia cristatella f. vestita Tuck. apothecia discolored. ditto
(1) with * 4200
4202a Same as 4199

4203 Cladonia Same as 4091 (K+) (P+) ditto
(1) with * 4203

4204 Cladonia Same as 4101 (K-) (P+) ditto
(1) with * 4200
4204a Same as 4172 a (K-) (P-)

4205 Cladonia Same as 4196 (P-) plus 4198 (P+) ditto
(1) with * 4200

4206 Cladonia cristatella Tuck ditto
(1) with * 4200

4207 Cladonia. Same as 4206 with * 4200 with spermagonia.
(1)
4207a - C. cristatella f.f. Beauvoisii (Del.) Vain and vestita Tuck.
Bull Run Mt., Va
South of Aldie 3½ miles
Fauquier Co.
March 13, 1938
H.A. Allard.

4208 Cladonia grayi f. simplex (Robbins) (P-) ditto
(1) with * 4200
plus C. chlorophaea (Floerke) Spreng.

4209 Cladonia Same as 4207a. ditto
(1) with * 4200
4209a - Same as 4198

4210 Cladonia coniocraea (Floerke) Sandst. (scanty) ditto
(1) On soil among mosses on banks south of Aldie 3 miles

4211 Cladonia - Same as 4097 ditto
(1) with * 4210

4212 Moss Thuidium ditto
2 On banks by spring 3 miles south of Aldie, on soil in woods. very abundant at base of trees, on logs, banks etc.

4213 Moss. Bryum. ditto
(2) near * 4212.
abundant on logs, base of trees, banks etc. very beautiful.

4214 Moss. on bark of tree at base, in ravine 3 miles south of Aldie, woods. Bull Run Mt, Va South of Aldie 3½ miles Fauquier Co. H.A. Allard March 13, 1938.

(1)

4215 Cladonia tenuis (Floerke) Harm. reindeer moss — ditto.

(2) on bank, deciduous woods 3½ miles south of Aldie.

4216 Cladonia. Reindeer moss. — ditto

(2) Near * 4215

= C. tenuis (Floerke) Harm.

4216a = C. furcata var. racemosa (Hoffm.) Floerke.

4216b = C. tenuis (Floerke) Harm.

4217 Moss — ditto

(2) In deciduous woods on soil near * 4215

4218B = Hypnum cupressiforme var. filiforme Brid.

4218 Cladonia grayi f. simplex Robbins & C. pleurota (Floerke) Schaer. — ditto

stalked cups, smooth

4218a = Buxbaumia aphylla L.

(1)

on soil near * 4215

abundant on the dry burned ridges in chestnut oak stands on bare soil here.

4219 ? Bryum Moss Bryum — ditto

(1)

Near * 4215 abundant, beautiful, yellow-green, pure mats here.

4220 Moss — ditto

(2) moist In deciduous woods on soil near * 4215; abundant, beautiful yellowish green, in pure extensive mats.

Cladonia Reindeer Moss — Bull Run Mt. Va South of Aldie 3½ miles Fauquier Co. March 13, 1938 H.A. Allard.

4221 On soil in chestnut oak woods near * 4215; abundant here, in large patches.

(2) = C. tenuis (Floerke) Harm.

4222 Cladonia tenuis (Floerke) Harm. — ditto

(2) Reindeer Moss

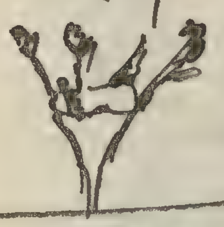
4222a, same. On soil in woods near * 4221 abundant on banks along woodroads etc here.

4223 Moss — ditto

(2) On soil in deciduous woods. Common on dry chestnut oak ridges here -bare- much bare soil.

4224 Cladonia chlorophaea (Floerke) Spreng — ditto.

(3) cups proliferating from edge



Near * 4222

4224A = Hypnum curvifolium Hedw.

4225 Moss Polytrichum commune L. — ditto

(2) on soil in deciduous woods; abundant

4226 Cladonia rangiferina (L.) Web. — ditto

(1) Reindeer Moss On soil on banks in deciduous woods

4227 Cladonia tenuis (Floerke) Harm. — ditto

(1) Reindeer Moss

Near * 4226 on soil.

4227a = C. tenuis (Floerke) Harm.

Moss
Thuidium
4228 yellow-green | Bull Run Mt., Va
(2) on soil in deciduous woods. | Fauquier Co.
South of Aldie 3½ miles
H.A. Allard
March 13, 1938.

4229 Moss Leucobryum glaucum (L.) Schimp.
+ Polytrichum ohioense Ren.
(2) On soil in deciduous woods near # 4228,
abundant on banks. | ditto

4230 Moss
Bryum.
(2) On soil on bank in ravine by brook 3 miles below Aldie South | ditto

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4231 Moss
(1) on soil on bank of dry ravine near # 4230
Dicranella heteromalla (L.) Schimp. | ditto

4232 Moss
Polytrichum
(2) On bank on soil in deciduous woods 3½ miles south of Aldie, on west slope. abundant. | ditto

---

4233 Moss
(1) Near # 4232 on soil | ditto

4234 Moss.
(1) at base of tree on soil
yellow-green: very dense mats. | ditto

Moss.
4235 On soil in west slope in deciduous woods
(1) 3½ miles south of Aldie | Bull Run Mt., Va
South of Aldie 3½ miles
Fauquier Co
March 13, 1938
H.A. Allard

Moss
4236 On soil near # 4235
abundant on banks etc. | ditto

4237 Moss
(2) On soil near # 4235 woods | ditto

4238 Cladonia cristatella f. beauvoisii (Del.) Vain.
+ f. scyphulifera Sandst.
On soil on ridge in deciduous woods.
abundant on bare areas here and on rotten stumps
and 4211
4238A
C. cristatella f. vestita Tuck. mostly.
4238b. same as but more branched than usual | March 20, 1938
South of Aldie 3 miles.
Bull Run Mt. Va
H.A. Allard.
Fauquier Co.

4239 Cladonia pleurota (Floerke) Schaer.
(1) East slope on soil, deciduous woods
Goblet formed abundant on bare spots in old burns etc with # 4238 | ditto

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4240 Cladonia verticillata P.P. f. phyllocephala (Fl.?) Oliv.
(1) Growing near # 4239.
Not abundant or typical on ridges: rare on this ridge. Sometimes stories or stages incomplete. | ditto

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4241 Cladonia clavulifera Vain.
(1) Growing near # 4238
abundant here and on rotten stumps. | ditto

Cladonia papillaria f. papillosa Fr. mostly. Bull Run Mt., Va South of Aldie 3 miles March 20, 1938 H.A. Allard. Fauquier Co.

4242 On soil on bank in deciduous woods on east slope.
(1)
abundant

4243 Cladonia chlorophaea f. simplex (Hoffm.) Arn. ditto
(1) same loc. with # 4242
abundant goblet-form.
4243a = C. cristatella f. vestita Tuck. mostly.

4244 Cladonia cristatella. ditto
(1) f. beauvoisii (Del.) Vain. mostly.
same loc. with # 4242
very abundant in various forms in bare areas on dry ridges where there are no leafage or small.

4245 Cladonia bacillaris (Ach.) Nyl. ditto
(1) 4245a = same #
Pointed, slender podetia
On soil on ridge in deciduous woods: very abundant, and on dead stumps, logs.

4246 Cladonia incrassata Floerke sterile ditto
(1) On dead, rotten wood in hollow stump on east slope in deciduous woods, abundant, powdery
4246-a = C. incrassata Floerke with red apothecia.

4247 Cladonia strepsilis (Ach.) Vain. sterile ditto
(1) Near # 4242.
abundant thalloid form.

4248 Cladonia caespiticia (Pers.) Floerke. sterile. ditto
(1) Growing near # 4245 [P+]

Cladonia cristatella forma vestita Tuck. with blackened apothecia. Bull Run Mt., Va South of Aldie 3 miles Fauquier Co. March 20, 1938 H.A. Allard.

4249 Growing on ridge on soil; abundant on bare areas
(1)
4249a = C. chlorophaea (Floerke) Spreng. [P+] + C. grayi [P−] scanty
4249b + 4249c = C. incrassata Floerke mostly with admixtures.

4250 Cladonia cristatella forma vestita Tuck. Not well developed. ditto
(1) Near # 4249: abundant.
4950a = C. cristatella Tuck. young podetia.

4251 Cladonia chlorophaea f. simplex (Hoffm.) Arn. ditto
(1) hollow goblet form
with # 4249: very abundant on ridges here.

4252 Cladonia cristatella forma vestita Tuck. ditto
(1) with # 4249

4253 Cladonia cristatella forma beauvoisii (Del.) Vain plus C. cristatella f. vestita Tuck.; ditto
(1) Near # 4249: abundant

4254 Cladonia macilenta f. styracella (Ach.) Vain. [K+] [P+] ditto
(1) Near # 4249: abundant

4255 Cladonia apodocarpa Robbins. ditto
(1) On soil by woodroad in woods (deciduous) west slope. Most abundant species; rarely fruiting; pale green above; chalky-white beneath

Cladonia furcata var racemosa f. squamulifera (Muhlenberg) — Bull Run Mt., Va, South of Aldie 3 miles, Fauquier Co., March 20, 1938, H. A. Allard.

4256 On soil on dry ridge in deciduous woods (not abundant)

(1)

4257 Cladonia papillaria f. molariformis (Hoffm.) Schaer. — ditto

(1) On soil on ridge in deciduous woods: abundant

4258 Cladonia coniocraea f. ceratodes (Floerke) Wain — ditto

(1) same loc. with # 4257

abundant.

4258A = C. incrassata (Floerke) Wain, with apothecia discolored.

4259 Cladonia coniocraea f. ceratodes (Floerke) Wain. — ditto

(1) same loc. with # 4257

4259 a = C. pityrea (Floerke) Fr. probably, but scanty

4260 Cladonia cristatella f. vestita Tuck. — ditto

(1) On soil on ridge crest, apothecia discolored. abundant

4261 Cladonia (see list of Evans) — ditto

(1) Jamesoniella autumnalis (DC.) Steph. = Hepatic

On soil on banks in deciduous woods. abundant

4261 a = C. strepsilis (Ach.) Wain perhaps — sterile.

4262 Cladonia — ditto

(1) with # 4256

abundant.

Cladonia ? — Bull Run Mt., Va., Fauquier Co., South of Aldie 3 miles, H. A. Allard, March 20, 1938.

4263 on dead wood of stump.

(1)

Mixture of C. chlorophaea (Floerke) Spreng. plus C. coniocraea (Floerke) Sandst. etc.

4264 Cladonia cristatella f. vestita Tuck. forma. — ditto

(1) On soil on east slope in deciduous woods. abundant

4264 a = C. cristatella f. beauvoisii (Del.) Wain mostly.

4264 B = same as 4200

4265 Cladonia same as 4186 — ditto

(1) On soil on ridge in deciduous woods very abundant.

4266 Cladonia same as 4186 — ditto

(1) On soil with # 4265

abundant

4267 Cladonia ~~cristatella~~ same as 4101 — ditto

(1) and with # 4265

abundant.

4268 Cladonia same as 4097 — ditto

(1) with # 4265

abundant

4269 Cladonia cristatella — ditto

(1) with # 4264

abundant

4269 a = C. cristatella f. vestita Tuck.

4270 Cladonia same as 4092
On soil on east slope in deciduous woods.
(1) abundant

Bull Run Mt., Va
south of Aldie 3 miles
Fauquier Co.
March 20, 1938
H.A. Allard.

4271 Cladonia sterile prob. C. strepsilis (Ach.) Vain.
On bank on top of ridge
(1) in deciduous woods.
abundant.
ditto

4272 Moss wet
(1) On deep bank by spring near water in deciduous woods west slope.
ditto

4273 Moss
(1) Beautiful yellowish green mats on side of deep ravine by spring in deciduous woods with # 4272
ditto

4274 Moss
(2) Closely appressed to rock submerged in brook west slope near cabin where Miscanthus sinensis grows.
ditto

4275 Cladonia piedmontensis f. squamulosa Robbins.
(3) On soil on dry ridge south of Aldie 3 miles in deciduous woods,
4275a } Both same as 4275
4275b }
ditto

4276 Moss (Polytrichum juniperinum Willd.)
(3) In large patches in young pine grove west slope south of Aldie 3 miles in old field. Pinus virginiana 25 feet high and dense. only in the pine grove here. Never in woodedge: open
ditto

4277 Moss
(3) Growing in considerable patches with # 4276 in same pine grove.
Polytrichum juniperinum Willd.

Bull Run Mt., Va
Fauquier Co.,
south of Aldie 3 miles
March 20, 1938
H.A. Allard.

4278 Cladonia subcariosa Nyl. (mostly)
(3) on top of dry ridge in deciduous woods cut over - south of Aldie.
4278a = subcariosa f. evoluta Vain.
4278b = " " f. squamulosa Robbins.
ditto

4279 Reindeer moss
(3) Cladonia
In pine woods with # 4276 & 4277. Much here, but not well developed in heavier shade; well dev. where thinner shade near ecotone with broom sedge (A. virginicus) in old pasture. Not in the open pasture here due to heavy stand of
= C. tenuis f. setigera Sandst.
ditto

4280 Moss
(3) Foot of tree on dry ridge in deciduous woods.
ditto

4281 Reindeer moss
(1) Cladonia tenuis (Floerke) Harm.
On soil in deciduous woods. on ridge
ditto

4282 Reindeer Moss
(3) all Cladonia = C. tenuis (Floerke) Harm.
4282a } On soil on ridge in
4282b } deciduous woods; common.
4282c }
ditto

4283 Moss. Hypnum
(1) On bank on wood road west slope, deciduous woods. Very abundant forming beautiful yellow green or old gold carpets rarely fruiting.
ditto

Moss
Polytrichum commune L. | Bull Run Mt., Va. South of Aldie 3 miles Fauquier Co. March 20, 1938 H.A. Allard.

4284 In pine woods forming large patches;
(several) none in fruit: with
4277; common.
None in broomsedge between pines or in sun.

4285 Moss. | ditto
(several) On rock on ridge in deciduous woods.

4286 Moss | ditto
(several) On steep moist bank in deep narrow ravine, at spring in deciduous woods, west slope.

4287 Liverwort. | ditto
(1) On bark base of tree at spring on moist bank in deep narrow ravine west slope in deciduous woods. (Ident. by Evans)
= Lophocolea heterophylla (Schrad.) Dum.

4288 Liverwort. | ditto
(several) In dripping water flowing from spring over rocks, in deep narrow ravine with # 4287.
= Riccardia sinuata (Hook.) Trevis. sterile, mostly. (Ident. by Evans)

4289 Liverwort 4289B = Dicranum fulvum Hook. | ditto
(several) In water, drip of spring on rocks west slope in deciduous woods.
+ Polytrichum ohioense Ren.
4289a = Pallavicinia Lyellii (Hook.) S. F. Gray. also 4289 for Polytrichum dry cut-over ridge

4290 Sphagnum | ditto
(several) pale whitish green
In low ground in deciduous woods, on west slope by brook

4291 Moss on dead stump and log in damp deciduous woods, low on west slope. | Bull Run Mt., Va. south of Aldie 3 miles Fauquier Co. March 20, 1938 H.A. Allard
(several)

4292 Acer rubrum L. | ~~Allard~~ ditto
(14) pistillate & staminate at foot of west slope in low ground; everywhere in full bloom; red, and humming with bees.

4293 Moss. | Allard's lawn in back yard on soil beneath large willow oak trees: Arlington, Arlington Co., Va. March 22, 1938 H.A. Allard.
(several) almost a solid cover over the back lawn on clay soil under willow oak trees here bright red, gold, or yellowish green.

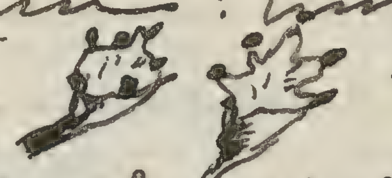
4294 Veronica polita Fries | Arlington Farm, Arlington Co., Va. March 24, 1938 H.A. Allard
~~several~~ 8 On lawn: full bloom abundant. First observed in bloom.

4295 Veronica Tournefortii Gmel. | ditto
(8) abundant in one patch in lawn by barn Full bloom; long established here

4296 Stellaria media L. (Alsine) | ditto
(7) On lawn everywhere; blooming all winter: full bloom

4297 Lamium amplexicaule L. | ditto
(4) abundant on lawn with all of above. Full bloom; all cleistogamous flowers early, open just now appearing, apparently a temperature matter.

Cladonia ~~clavata~~
= C. grayi Merr.
~~var. frondescens~~ | Bull Run Mt., Va.
March 27, 1938
South of Aldie 5 miles.
H. A. Allard.
Fauquier Co.

4298 my only record in Bull Run area.
(2) on bare soil in cut-over woods with moss Polytrichum: Tiny red apothecia on edges of cups

on dry ridge bank of "Corumia (colored) where no book
Not common; some cups without apothecea

4299 Cladonia same as 4183
(1) on dry sandy soil in deciduous woods on ridge near # 4298
east slope bank of Corumia (colored) | ditto

4300 Cladonia squamosa (Scop.) Hoffm.
(1) Near # 4299 | ditto

4301 Cladonia same as 4183
(1) same locality with # 4299 | ditto

4302 Cladonia same as 4194
(1) same locality with # 4299 | ditto

4303 Cladonia same as 4194
(1) Same locality with # 4299 | ditto

4304 Cladonia, same as 4300
(1) Same locality with # 4299 | ditto

Moss | Bull Run Mt., Va.
South of Aldie 5 miles
Fauquier Co.
March 27, 1938
H. A. Allard

4305 on Dry bank on soil east slope near spring N. west of Corumia in deciduous woods.
(1)

4306 moss
(1) on wet rocks in brook near # 4305 | ditto

4307 Moss
(1) Same habitat with # 4305 | ditto

4308 Moss
(1) Damp soil in deciduous woods west slope (foot) by brook. | ditto

4309 Moss
(1) with # 4308
Bertramia pomiformis (L.) Hedw. | ditto

4310 Moss
(1) with # 4308 | ditto

4311 Moss
(1) same locality with # 4308 | ditto

Moss
In moist soil
on bank of brook
4312 in deciduous
woods at foot of
(1) west slope - straight
west of Cornnia where
woods border cultivated fields of
Plains area.

Bull Run Mt., Va
Fauquier Co.,
South of Aldie 5 miles
March 27, 1938
H. A. Allard

Aulacomnium heterostichum (Hedw.) B&S

4313 Hepatica triloba Chaix
(1) (deep blue) Dry woods west slope ditto
south of Aldie 5 miles, west of
Cornnia's (colored). Only two plants
seen all day; rather rare - Bull Run Mt.

4314
Moss = Hedwigia albicans (Web.) Lindb.
(6) On thin humus layer on (in fruit) ditto
dry flat rock on top of dry
ridge crest in chestnut oak woods
west of Cornnia's, 5 miles south of Aldie
abundant; orange capsules almost sessile.

4315 Moss
(7) *Near *4314, dry soil ditto

4316 Benzoin aestivale (L.) Nees.
(3) In moist soil in woods east slope ditto
south of Aldie 5 miles (west of Cornnia's,
a colored family). Very abundant in
damp soil, now in full bloom; none in flower 3/20/37

4317 Moss
(1) on rock in damp ravine ditto
near spring east slope where rocks
quarried for flagstone, west of Cornnia's (colored)

4318 Moss
(2) Hypnum.
damp
On soil near spring, on bank ditto
east slope where *4317 occurred.
(a beautiful, brilliant golden green)

Moss
on soil by brook
and spring east slope
4319 near *4317
(2) Aulacomnium heterostichum (Hedw.) B&S.

Bull Run Mt., Va
South of Aldie 5 miles
Fauquier Co.,
H. A. Allard
March 27, 1938.

4320 Moss
(2) with *4319 ditto

4321 Moss
(2) On dry soil in deciduous ditto
woods on top of ridge west of
Cornnia's (above, see)

4322 Epigaea repens L. ditto
(3) On dry soil east slope ridge
west of Cornnia's (colored) South of
Aldie 5 miles - deciduous woods.
abundant: full bloom.

4323 Ilex opaca Ait
(4) Near *4321, - dry ridge, ditto
cut over. east slope. My first record
for entire Bull Run area; one shrub only,
5 ft high.

4324 Moss
(2) Near *4321 ditto
on soil

4325 Moss
(2) wet soil by brook in ditto
deciduous woods near
*4317

Moss
on bank of brook,
moist soil, east slope
4326 at spring in woods
west of Corunna place.
(2)
Color a beautiful golden green, bright.

Bull Run Mt., Va
March 27, 1938
H.A. Allard
South of Aldie 5 miles
Fauquier Co.

Moss: Hypnum
4327 on soil on bank of
brook near # 4326
(2) moist habitat.
ditto

Moss
4328 on damp soil with
(2) # 4326
ditto

4329 Moss
(2) Bank on soil by brook
near # 4326.
ditto

4330 Moss
(3) on rocks in brook
with # 4326.
(washed by water)
ditto

4331 Moss
(2) on bank of brook on
damp soil near # 4326
ditto

4332 Moss
(2) Damp soil near # 4326.
ditto

Moss
in dripping water
of wet overhanging
4333 bank of spring
on east slope,
(1) west of Corunna in woods
at Flag stone quarry.

Bull Run Mt., Va
South of Aldie 5 miles
Fauquier Co.
March 27, 1938
H.A. Allard

4334 ~~Moss~~
(3) at base of tree on bark
in damp place at spring,
in woods with # 4333
Not common.
Lophocolea heterophylla (Schrad.) Dum.
ditto

4335 Ulmus fulva Michx
(4) (Slippery Elm) e
Foot of west slope in low
ground west of Corunna - near fallen in
silo at junction with Plains
pastures. Small fruit.
ditto

4336
(2) Uvularia virginica L
Ready to flower by Monday.
In moist deciduous woods
west slope, near # 4335
scattered here. None in
actual bloom.
ditto e

4337
(3) Moss
In low ground, damp soil
in low woods foot of west slope
west of Corunna near # 4335
ditto

4338 Moss
(2) In soil in low ground by
brook, west slope in deciduous
woods near # 4337
ditto

4339 Syndesmon thalictroides (L) Hoffmg.
(1) In moist soil in woods,
foot of west slope, just in
flower; abundant here.
ditto e

Dentaria laciniata Muhl. Bull Run Mt., Va
Rich soil west and east slopes in deciduous woods Fauquier Co.,
4340 South of Aldie 5 miles
(4) at foot of slopes below chestnut oak stands. March 27, 1938
H.A. Allard.
abundant; full bloom ; Not in bloom 3-20-38
e

4341 Sanguinaria canadensis L.
(2) Moist rich deciduous woods foot of west and east slopes. ditto
Exceedingly abundant - acres of white stars at foot of west slope; full bloom; some fallen; a beautiful sight. the most abundant I have ever seen it in Bull Run Mts. e

4342
(4) Amelanchier canadensis (L.) Medic.
On top of cliffs at High Point. Full bloom (see photo) some here only in bud; abundant
Bull Run Mt. Va, Hopewell Gap, Fauquier Co., April 3, 1938 H.A. Allard.

4343 Moss
3 On soil near # 4342 Top of cliffs.
ditto e

4344 Moss
(1) On damp soil on bank of low wet ravine below High Point, west slope, south of Hopewell Gap. 3/4 mile, woods.
ditto

4345 Luzula echinata (Small) Hermann
(1) Same locality with ## 4344 in bloom.
(Ident by F.J. Hermann.
ditto e

4346 Syndesmon thalictroides (L.) Hoffmg
(1) In rich soil of big white oak grove west from High Point, beyond Hopewell - Broad Run station road near Hopewell Gap. very abundant here, full bloom; root with cluster of small tubers, pear shaped.
ditto e

Dentaria laciniata Muhl Bull Run Mt., Va
April 3, 1938
full bloom, abundant; H.A. Allard
color delicate lavender south of Hopewell Gap
4347 to faint bluish. Fauquier Co. e
(3) In big white oak grove with # 4346. D. laciniata several days earlier than heterophylla, usually in
No D. heterophylla here; damp ravines below High Point, but all only in bud.

4348 Claytonia virginica L
(5) In same grove near # 4347 abundant, full bloom. Petals distinct roseate tint with deeper pink longitudinal lines: Tuber single, deep, 4-5 inches deep, size of walnut (hickory)
ditto e

4349 Viola rafinesquii Greene
(4) In waste open ground near old house south of Hopewell Gap and west of Hopewell - Broad Run station highway. Not abundant here, full bloom petals pale bluish cast; very delicate.
ditto e

4350
(5) Lamium amplexicaule L
Near # 4349: abundant in waste ground here; full bloom; open flowers appearing, but mostly cleistogamic.
ditto e

4351
(3) Pinus rigida Mill forma globosa
~~about~~ 7 ft tall; spread 9 ft; bearing, a dense much branched tree
see photo # 53 etc. South of Hopewell Gap 1/2 mile in old pasture.
ditto e

4352 Acer rubrum L
(3) In old pasture at edge of ravine below old Riley Cabin south of Hopewell Gap 1/4 mile; samaras 1/2 in long deep red, very dense clusters: near blooming Amelanchier.
ditto e

4353
(7) Amelanchier ~~canadensis~~ (L.) Medic.
A large tree standing in contact with # 4352, 20 feet high, dia at ground 5-6 in, beautiful in full bloom; all specimens from this tree. petals 15 mm long or more
e ditto

Moss
On ~~soil~~ moist soil bank of deep ravine, rich soil. shale, just below where Riley's lived in old cabin here; N. of Castleton ½ mile. A deep ravine and brook here cut in schist rocks; many plants in this ravine.

Bull Run Mt., Va
Fauquier Co.
South of Hopewell Gap.
April 3, 1938
H. A. Allard.

4354 (1)

4355 Moss.
(2) In same ravine, soil, near ✱ 4354
abundant.
= Aulacomnium heterostichum (Hedw.) B.S.G.
ditto

4356 Syndesmon thalictroides (L.) Hoffmg.
(4) In same soil in same ravine with ✱ 4354: abundant here, full bloom. Some with pink-tinted petals.
ditto
e

4357 Ranunculus hispidus Michx.
(1) on ~~soil~~ on bank (wooded) with ✱ 4354, same ravine.
full bloom; bright clear yellow
scattered on moist wooded slopes throughout
ditto
e

4358 Prunus avium L.
(3) On edge of ravine with ✱ 4354 etc. a large wild tree; full bloom; flowers pure white. abundant and now in full bloom everywhere in woods.
ditto
e

4359 Moss.
(1) On moist soil with ✱✱ 4354 same ravine.
ditto

4360 Carex platyphylla Carey.
(1) On moist soil bank of same ravine with ✱ 4354.
abundant here; full bloom.
(Ident. by F. J. Hermann)
ditto
†

Sanguinaria canadensis L.
Rich soil, banks of same ravine with ✱ 4354
4361 abundant: passing, petals falling.
(3)

Bull Run Mt., Va
April 3, 1938
H. A. Allard.
Fauquier Co.
South of Hopewell Gap.
e

Syndesmon thalictroides (L.) Hoffmg. ditto
4362 On bank of same wooded ravine with ✱ 4354.
(5) full bloom; abundant here.
e

Dentaria laciniata Muhl.
4363 Growing in same ravine
(4) near ✱ 4354; abundant on banks here; full bloom: pale bluish color: very attractive.
ditto
e

4364 Antennaria neglecta Greene. staminate.
(6) old pasture below Riley's old cabin, west slope, South of Hopewell Gap ¼ mile: very abundant, staminate and pistillate. Just in bloom.
ditto
e

4365 Grayish mats everywhere; a few days earlier than A. plantaginifolia
Saxifraga virginiensis
(3) In old field near Riley's old cabin: full bloom in pasture here.
Micranthes virginiensis (Michx.) Small
ditto
e.

4366 Lamium amplexicaule L.
(1) In yard of Riley's old cabin west slope. south of Hopewell Gap ¼ mile abundant: full bloom: open flowers appearing.
e ditto

4367 Viola ~~eriocarpa~~ (Glabrous) pubescens Ait.
(3) on moist soil bank of same ravine with ✱ 4354: abundant here; just in bloom.
ditto
e

4368 Moss
In moist soil of deep shaded, wooded ravine just beyond Riley's old cabin at foot of slope here; abundant. Color a beautiful, brilliant golden green.
(3)

Bull Run Mt., Va
Fauquier Co.
South of Hopewell Gap ~~mile~~. April 3, 1938.
H.A. Allard

4369 Obolaria virginica L. — ditto
(4) woods below High Point, west slope; abundant; full bloom; bluish white; very attractive; half way up slope. — e

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4370 Stellaria [alsine] media L. — ditto
(2) In Locust grove; pure stand, below High Point, west slope: full bloom; very abundant here. — e

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4371 violet (blue) lateral petals bearded — ditto
(1) In Black Locust grove below High Point, west slope near old house. full bloom Viola papilionacea Pursh. — e

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4372 Stellaria [alsine] media L. — ditto
(3) waste ground near old house where big White Oak grove is — south of Hopewell Gap 1/2 mile and west of Hopewell to Broad Run highway. — e

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4373 Ranunculus abortivus L. — ditto
(3) In big white Oak grove moist ravine south of Hopewell Gap, 1/2 mile, west of Hopewell - Broad Run station Highway. abundant; full bloom. — e

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4374 Ranunculus hispidus Michx
(3) In moist soil of same white Oak grove with ✻ 4373. abundant - scattered; full bloom. A very showy species — with bright clear yellow petals. — e

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4375 Viola papilionacea Pursh. (blue; lateral petals bearded)
(1) In old pasture N.W. of white Oak grove. abundant; full bloom. — e

Bull Run Mt., Va
Fauquier Co.
South of Aldie
April 3, 1938
H.A. Allard.

4376 Acer negundo L. — ditto
(3) In old pasture west of Hopewell - Broad Run station highway. on high hills here (west of High Point) several trees; in full flower. — e

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4377 Prunus avium L. — ditto
(2) (Large flowered wild cherry) near ✻ 4376; edge of woods. Full bloom; very attractive, pure white blossoms. — e

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4378 Amygdalus persica L. — ditto
(2) woods below High Point, west slope in Black Locust Grove, south of Hopewell Gap 1/2 mile. full bloom; petals falling. scattered — e

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4379 Prunus angustifolia Marsh — ditto
(4) (plum) Growing beside peach ✻ 4378 passing bloom — e

4380 Cercis canadensis L. — ditto
(3) In woods of wet rocky shallow ravine west slope below High Point. Very abundant here; just in bloom. — e

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4381 Lichen
(2) on rocks just below High Point in deciduous woods.

Bull Run Mt., Va
South of Hopewell Gap.
April 10, 1938
H.A. Allard.

Viola pedata L — Bull Run Mt. Va
upper petals dark violet; — ~~South of [illegible]~~ Hopewell Gap,
lower lighter blue violet. — Fauquier Co. Va
4382 growing on dry roadside — april 10, 1938
(2) bank abundantly at Hopewell Gap just west of Antioch. — H. A. Allard
The form with all uniform colored petals also abundant here.

e

4383 Ranunculus hispidus Michx
(1) In upland woods; below High Point west slope. Just in bloom — ditto

e

4384 Viola eriocarpa Schwein
(3) south of Hopewell Gap 1/4 mile in moist [pond?] black soil in deep ravine at foot of slope below cabin where Allen? lived abundant here; full bloom. — ditto

e

4385 Hepatica triloba Chaix
(2) In same deep ravine with # 4384 abundant here; full bloom — ditto

e

4386 Dentaria heterophylla Nutt
(1) In same deep ravine with # 4384 abundant here, but only one (plant shown) in bloom; later by a week or 10 days than D. laciniata abundant here — ditto

e

4387 Dentaria laciniata Muhl
(1) In same deep ravine with # 4384 very abundant here and in full bloom more than a week. — ditto
Most abundant plant in moist woodlands here.

e

4388 Viola ~~linea~~ pedata var. lineariloba DC — ditto
(1) all petals blue - Growing intermingled with # 4382
abundant

e

4389 Liverwort (wool?) — Bull Run Mt. Va south of Hopewell Gap, west slope Fauquier Co. april 10, 1938 H. A. Allard
damp
On rocks at foot of High Point, west slope.
(1)

4390 Hypnum (moss)
(1) On rocks foot of High Point. west slope. — ditto

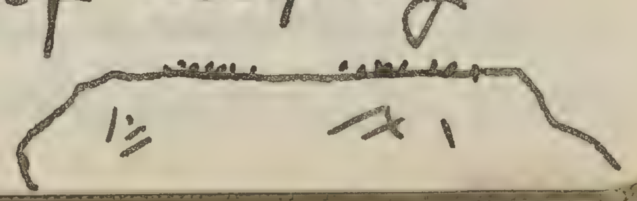
4391 Moss
(1) On rocks foot of High Point cliffs near # 4390 — ditto

4392 Liverwort
(1) On rocks foot of High Point cliffs near # 4389 — ditto

4393 Moss
(2) at foot of tree on old bark. foot of High Point cliffs — ditto

4394 Moss
(2) at foot of tree foot of High Point cliffs — ditto

4395 Moss
(2) On large horizontal flat surface of rock west slope below High Point half way up in deciduous woods — ditto



4396 (2) Moss and [illegible] on same [illegible] with # 4395 — Bull Run Mt., Va. South of Hopewell Gap west slope below High Point in woods here April 10, 1938 H.A. Allard.

4397 (1) Moss on rock below High Point, west slope, woods yellowish green moss. — ditto

4398 (1) Moss On stone below High Point in woods on west slope. — ditto

4399 (1) Lycopodium lucidum Michx On damp bank in damp wooded ravine low on High Point slope, west slope. Not abundant anywhere in Bull Run area. — ditto

4400 (1) Moss Polytrichum On soil on dry east slope above Cornwell's house where we parked. (This trip made with John A. Stevens and Mr. Lambert) — Bull Run Mt. Va South of Aldie 5-6 miles Prince William Co. April 12, 1938 H.A. Allard.

4401 (1) Moss same locality with # 4400 — ditto

4402 (5) Dentaria laciniata Muhl around old chimney high up on east slope west of Cornwell's near apple tree where Morels grow. Very abundant here; full bloom — ditto

Moss 4403 (1) On moist rocks in woods, banks of spring-fed brook N.W. of Cornwell's where we ate. A ravine here. — Bull Run Mt. Va. South of Aldie 5 miles Prince William Co east slope April 12, 1938 H.A. Allard

Moss 4404 (1) Collema granulosum (Schreb.) Rabh. On rock same locality with # 4403 — ditto

4404 A Lichen ? on old pine log below High Point west slope. Not sure that it is a lichen. — ditto

4405 (1) Moss On wet rocks same ravine with # 4403. Very beautiful dense mats of yellowish green. — ditto

4406 (1) Moss on thin soil on rock by brook near # 4403 (same locality.) — ditto

4407 (1) Moss On soil brook bank with # 4403 — ditto

4408 (1) Moss on rock bank of same brook and locality with # 4403 — ditto

4409 (1) Moss On rock bank of same brook etc with # 4403 — ditto

Dentaria laciniata Muhl — Bull Run Mt., Va. South of Aldie 5 miles, Prince William Co., April 12, 1938, H.A. Allard.

4410 (3) Showing a series of leaf variations in same colony: probably genetic. These in rich soil, damp wooded ravine above springs where # 4403 etc. found i.e. N.W. of Corummia house. — e

4411 (1) Moss. On dry soil near brook with # 4403, on bank in woods here. — ditto

4412 (1) Moss. On wet rock by brook in wet wooded ravine. Very beautiful - yellow green mats (Not common) — ditto

4413 (1) Moss. On soil bank of wet wooded ravine with # 4403 etc. — ditto

4414 Arabidopsis thaliana (L.) Britton — Bull Run Mt., Va. Hopewell Gap, April 14, 1938, H.A. Allard, Fauquier Co. — e
(2) On high pasture N.W. of Owens' property. Full bloom: abundant.

4415 Viola pedata var. lineariloba DC — ditto but Prince William Co. — e
(2) On east slope of ridge west of Mrs. Ashby's where chestnut tree spring is located. Very abundant, fine clumps, both kinds & color forms. Dry cut-over slope.

4416 (1) Anemone quinquefolia L. Fauquier Co. — ditto — e
In swampy woods below Harris's flagstone quarry and east of cabin Riley's lived in - north of Hopewell Gap 2½ mi. Only one or two plants seen.

Cardamine pensylvanica Muhl — Bull Run Mt., Va. Fauquier Co. North of Hopewell Gap, April 14, 1938, H.A. Allard

4417 (1) In swampy woods beside # 4416. Scattered; full bloom. — e

4418 (1) Claytonia virginica L. — ditto — e
In same swamp with # 4417. Very abundant here; full bloom. Pinkish petals beautifully longitudinally striped with deep rose.

4419 (1) Ranunculus hispidus Mich. — ditto — e
In swamp woods with # 4417. Scattered; full bloom.

4420 (1) Ranunculus abortivus L. — ditto — e
In same swampy woods with # 4417. Abundant: full bloom in damp ground etc. throughout.

4421 (2) Viola eriocarpa Schwein — ditto — e
By spring, damp soil at foot of Harris's lane beside his flagstone quarry. Abundant here: 2½ miles N. of Hopewell Gap. Full bloom; my first trillium record here.

4422 (1) ~~Juncoides campestre var. echinatum~~ — ditto — e
In same swamp with # 4417. Abundant; in early blooming stage. (Luzula echinata (Small) Hermann) (Ident. changed by F. J. Hermann)

4423 (1) Chrysosplenium americanum Schwein — ditto — e
In cold brook bed where # 4421 grew; spring arising here. Abundant in this brook; full bloom.

Viola cucullata Ait (blue, tended) Bull Run Mt, Va North of Hopewell Gap, 2½ miles. 4/14/38. Fauquier Co. H.A. Allard.

4424 In low swamp at brook and spring at foot of Harris's home at his flagstone quarry: abundant; full bloom. e

(3)

4424a = Viola eriocarpa Schwein

4425 Antennaria virginica Stebbins ~~neodioica~~ ditto

(1) Beside woodroad top of dry ridge north of Hopewell Gap 1 mile: full bloom: in woods. e

4426 ~~Barbarea verna~~ Camptosorus (L.) M. Fergt. ditto

(1) In old pasture with steep slope back (north) of Owens's orchard, at Hopewell Gap: abundant: full bloom. e

4427 Trillium cernuum L ditto

(1) My first record for Bull Run Mts. at spot where * 4424 grew. Only one or two plants: only in bud. e

4428 Cladonia ochrochlora Floerke . Bull Run Mt, Va 5 miles S. of Aldie Prince William Co. east slope. April 17, 1938. H.A. Allard.

(4) Near crest of ridge on thin soil on low ledges in deciduous woods, west of Cornwell's, and above Morel colony. Slight expansion and cup at top.

4429 !!

(3) Cladonia coniocraea f. ceratodes (Floerke) Vain. ditto

In same spot with * 4428

4429a = Cladonia vulcanica Zahlbr.

4429b = " chlorophaea (Floerke) Spreng

4429c } 4429d } same as 4429 4429e }

4430 ~~Clagtonia~~ Cladonia. ~~borbonica~~ f. cylindrica Evans, but ditto not distinctive

4430a

(3) On same spot etc. with * 4428.

4430 = C. coniocraea f. ceratodes (Floerke) Vain.

4430b = C. caespiticia (Pers.) Floerke

4430c = C. chlorophaea (Floerke) Spreng.

Cladonia f. scyphulifera Sandst. and f. beaumontii (Del.) Vain Bull Run Mt., Va South of Aldie 5 miles Prince William Co. April 17, 1938. H.A. Allard.

4431 On soil on dry cut over east slope just west of Cornwell's (colored)

(1)

4431a = C. cristatella f. vestita Tuck.

4431b = C. " f. beaumontii (Del.) Vain.

4432 Cladonia bacillaris (Ach.) Nyl. ditto

(1) Growing with * 4431 on soil

4433 Cladonia cristatella f. beaumontii (Del.) Vain and f. vestita Tuck. ditto

(1) Growing on soil with * 4431. Red apothecia (Very attractive) 4433a and 4433b = C. cristatella f. vestita Tuck.

4434 Glechoma ~~Nepeta~~ hederacea L Prince William Co.

(2) On flood plain on creek on Triassic area near Sudley Springs. Very abundant; full bloom. Very showy. e

4435

(1) Anemone quinquefolia L Bull Run area on flood plain on Triassic Prince William area below Beverly Mill. A small colony here in fresh bloom. Rare in Bull Run area. e E.

4436 ~~Nepeta hederacea~~

(1) Cerastium viscosum L Bull Run Mt. area, In same spot with * 4434. Prince William Co. April 17, 1938 H.A. Allard.

4437 Erythronium americanum Ker.

(1) Growing with * 4435. Very abundant here; mostly dropping its petals. e

Viola eriocarpa Schwein — Bull Run Mt. Va, April 17, 1938, Prince William Co., H.A. Allard.

4438 (2) On flood plain of Triassic area ½ mile below Beverly Mill. Very abundant here; full bloom. — e

4439 Uvularia ~~grandiflora~~ sessilifolia L. (1) Growing with ✕ 4438. Very abundant here; full bloom. — ditto — e

4440 ~~Barbarea vulgaris~~ Campe (L.) J.W.T. Wight (II) Growing in same habitat etc. with ✕✕ 4438. abundant; full bloom; deep yellow showy — ditto — e

4441 Dentaria heterophylla Nutt. (4) Growing with ✕ 4438; abundant, full bloom; some D. laciniata on this flood plain but less abundant and earlier; more nearly past. — ditto — e

4442 Ranunculus abortivus L. (1) Growing with ✕✕ 4438; abundant here; full bloom. — ditto — e

4443 Cerastium longipedunculatum Muhl. (3) Growing with ✕✕ 4438. abundant in flood plain here; full bloom. — ditto — e

4444 Cardamine pennsylvanica Muhl. (1) Growing near ✕✕ 4438; scattered here; full bloom. white fl. — ditto — e

Muscari racemosum — Bull Run Mt. Va, Prince William Co., April 17, 1938, H.A. Allard.

4445 (1) On flood plain of Broad Run Creek Triassic area below Beverley, Thoroughfare Gap. Not common here; only a few seen; full bloom. — e

4446 Violet = V. cucullata Ait (blue) lat. petals bearded! (1) Growing with ✕✕ 4445 Very abundant; full bloom. — ditto — e

4447 Viola sagittata Ait (blue, bearded) (1) On dry soil of old field near Corum's (just west of his place) abundant; full bloom. — Bull Run Mt. Va, Prince William Co., South of Aldie 5 miles, April 17, 1938, H.A. Allard. — e

4448 Viola fimbriatula J.E. Smith (blue) bearded (2) Same locality & habitat near ✕ 4447 abundant on dry slopes here; full bloom. — ditto — e

4449 Moss Hypnum (1) On wet earth on rocks in damp wooded ravine west of Corum's ahead Redbud grounds. — ditto

4450 Moss Hypnum (1) On damp soil on rock with ✕ 4449. yellow green — ditto

4451 Comptonia ~~asplenifolia~~ peregrina (L.) Coulter (1) On dry wet ver eastslope south of Aldie 5 miles on ridge just west of Corum's place. My second locality in Bull Run. Only a few plants here; full bloom. — ditto — e

4452 Claytonia virginica L. — Bull Run Mt. Va, Prince William Co., April 17, 1938, H.A. Allard.
In flood plain on Triassic just below Beverley; very abundant.
(2) full bloom; very delicate, thin, pinkish; with pink stripes within; seeds now, black, shining, flattened. e

4453 Ranunculus hispidus Michx. — Bull Run Mt. Va, April 21, 1938, Fauquier Co., H.A. Allard.
(2) Deciduous woods on west slope below High Point. full bloom; pubescence appressed. e

4454 Ranunculus hispidus Michx. (pubescence copious, spreading) — ditto
(4) In fine white oak grove, west of Bull Run ridges at High Point at old cabin west of Hopewell - Broad Run Station highway. abundant; full bloom; very showy with bright yellow petals. e

4455 (1) Arabidopsis thaliana (L.) Britton. — ditto
In waste ground around old cabin mentioned for #4454. abundant; full bloom. e

4456 (1) Veronica arvensis L. — ditto
around same cabin with #4455. abundant here; full bloom; growing with Viola rafinesquii. e

4457 Crataegus margaretta Ashe (Lon hurly) — ditto
(3) In old pasture just south of Hopewell Gap, and near ~~old~~ Pinus rigida forma globa just east of Hopewell - Broad Run station highway, only a few flowers opened; white. e

4458 Antennaria neo-dioica Greene — ditto
(2) In barren pasture slope near #4457. Large pure areas here - see photo. very abundant. e

4459 Viola fimbriatula J.E. Smith — Bull Run Mt. Va, Fauquier Co., April 21, 1938, H.A. Allard.
blue; bearded.
(1) In old field near old stone crusher just ~~north~~ west of Castello's, at Hopewell Gap. e

4460 Veronica serpyllifolia L. — ditto
(2) flowers white: In old field ~~at~~ above #4459 grew; in old field beyond Castello's at Hopewell Gap. e

4461 Cardamine pennsylvanica Muhl. — ditto
(2) Growing in moss carpet on wet rocks in brook or west slope below High Point in woods; a striking habitat: many there found; full bloom. e

4462 Moss. Catharinea — ditto
(1) On moist banks on soil in woods on west slope below High Point. delicate, bright green. k

4463 Viburnum prunifolium L. — ditto
(2) Pasture across Hopewell - Broad Run Station highway: full bloom; showy; creamy white. south of fine white oak grove. e

4464 Malus ~~glaucescens Rehder~~ angustifolia Michx. — ditto
(6) In pasture near of fine white oak grove just west of Hopewell - Broad Run station highway. Scattered in this pasture; flowers and buds deep pink or crimson striped; just opening; only a few open; large 1-1 1/2 in across. (See #3895 Dec. 5, 1938 fruit) e

4465 (3) ~~Barbarea~~ Capsule verna (Michx.) Heller — ditto
(3) In pasture across from High Point, on Plains area: abundant; full bloom. e

Viola triloba Schwein. Bull Run Mt., Va
blue; bearded Fauquier Co.
april 21, 1938
4466 In deciduous woods H.A. Allard.
(1) on hillside south of
fine white Oak grove on Plains area.
abundant: full bloom. e

4467 Ranunculus alleghaniensis Britton ditto
(9) In same woods with ※ 4466.
abundant: full bloom. e

4468 Barbarea ~~vulgaris~~ (L.) var. F. wright. ditto
(1) In deciduous woods, beside
wood road, in open area, on Plains
area across from High Point; ie
with ※ 4466. e

4469 Pinus rigida forma globosa. Allard ditto
(2) In pasture south of Hopewell Gap, on
east slope near Hopewell-Broad Run Station e
highway.

4470 Cladonias Massanutten, south end Short Mountain
(1) Growing on shales on shales (Martinsburg
see front with Cetraria islandica Ordovician) near
of book colonies here (see Mt. Elliott Mt. Jackson Va
april 24, 1938.
H.A. Allard.
Record ※ 3908, July 19, 1938

4471 Cladonias
(1) Same locality beside ditto
see front ※ 4470
of book. See ※ 3558 aug. 15, 1937
for first (mine) on Short Mt.
of Cetraria islandica

4472 Cladonias = C. squamosa (Scop.) Hoffm.
(1)
On same shales and ditto
beside ※ 4470.
4472 a = C. tenuis (Floerke) Harm.

4474 = Cladonia rangiferina (L.) web.
4474 a = " sylvatica (L.) Hoffm.
4474 b = " rangiferina (L.) web.
4474 c = " tenuis (Floerke) Harm.
4474 d = " rangiferina (L.) web.
4474 e = " sylvatica (L.) Hoffm.
4474 f = " tenuis (Floerke) Harm.
4474 g = " rangiferina (L.) web.
4474 h = " sylvatica (L.) Hoffm.
4474 i = " rangiferina (L.) Hoffm.
4474 j = " " "
4474 k = " tenuis (Floerke) Harm.
4475 = " sylvatica (L.) Hoffm.
4475 a = " mitis Sandst.
4475 c = " rangiferina (L.) web.
4475 d = " " " "
4475 e = " " " "
4475 f = " " " "
4475 g = " " " "
4475 h = " sylvatica (L.) Hoffm.
4475 i = " rangiferina (L.) web.
4475 j = " sylvatica (L.) Hoffm.
4475 k = " rangiferina (L.) web.
4475 L = " " " "
4475 m = " sylvatica (L.) Hoffm.
4475 n = " rangiferina (L.) web.
4475 o = " sylvatica (L.) Hoffm.
4475 p = " rangiferina (L.) web.
4475 q = " " and C. sylvatica (L.) Hoffm.
4475 r = " rangiferina (L.) web.
4475 s = " " " "
4475 t = " " " "

4475 t' = Cladonia sylvatica (L.) Hoffm.
4475 u = " rangiferina (L.) Web.
4475 v = " sylvatica (L.) Hoffm.
4475 w = " rangiferina (L.) Web.
4475 x = " " " "
4475 y = " grayi, f. aberrans Asahina (cupbearing form.)
4475 z = not enough to test.
4475 z' = Cladonia apodocarpa Robbins.

Larix canadensis L. — south end of Short Mt., Va., se. Massanutten Range, april 24, 1938. H. A. Allard. on rock banks in woods by road ways here in park at foot of Short Mt.; full bloom; corolla dull greenish yellow; scattered. on Martinsburg shales (Ordovician)

4473 (4)

4474 (1) Cladonia rangiferina on Martinsburg shales here Cetraria islandica grows; this very abundant. (ash gray) — ditto

4474A Cladonia sandet same locality with the greenish one. # 4474: very abundant — ditto

4475 = Cladonia rangiferina — ditto
4475A = " sp (greenish) — all with # 4474 — ditto
4475B = Cetraria islandica — ditto
all very abundant.

4476 = Cetraria islandica
4476A: Cladonia rangiferina (L.) web. — ditto
4476B = Moss — ditto
all abundant with # 4474.

4477 (1) Leucobryum albidum Moss with 4474: scattered ~~with~~ in Cetraria colonies here. — ditto

4478 (1) Small amount Cladonia rangiferina and mostly the Moss: scattered over shales among Cetraria islandica here — ditto
4478a = Cladonia rangiferina (L.) web.

4479 (5) Carex pennsylvanica Lam. On south slope - on shales and all very up in the deciduous woods to cliffs; very abundant: maturing. (Ident. by F. J. Hermann) — ditto

Senecio antennariifolius Britton — Short Mountain, Va
Massanutten range,
On shales
Shenandoah Co.
April 24, 1938.
H.A. Allard

4480 (4) on shales proper below cliffs: very abundant; full bloom and in its prime.
This a deep yellow; one form with pale cream rays but only a few colonies seen. — e

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4481 (6) Phlox brittonii small — ditto
On shales everywhere below cliffs; very abundant, spectacular showy; full bloom: mostly white: some clumps a foot or more across. — e

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4482 (3) Trifolium virginicum small — ditto
not abundant; growing all down shale slope below cliffs where few trees often on pure comminuted rock; cream colored heads: showy; full bloom — e

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4483 (4) 3 Senecio antennariifolius Britton with cream colored rays: only a few clumps seen: intermingled with ditto * 4480 a color form, but strikingly contrasting with the typical deep orange yellow form.

4484 (1) Umbellifer: Taenidia integerrima (L.) Drude
full bloom: scattered over the shales below the cliffs etc and in woods near the cliffs: full bloom; yellow — ditto — e
fruit very long deep taproot 3/4 to 1 in at top

4485 (1) Viola sororia Willd.
On damp ledges at top of Short Mt., south end; full bloom.
bl. blue; bearded — e — ditto

4486 (1) Potentilla pumila Poir
on ledges and on shales in woods below ledges: and open fields at foot: full bloom. — e — ditto

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Antennaria neodioica Greene — Short Mt., Va.
and perhaps A. virginica — Massanutten Range.
April 24, 1938
H.A. Allard.

4487 (2) very abundant everywhere on the sunny shale area below cliffs etc: full bloom
a small closed form
and typical A. neo-dioica. # — e

4488 (1) Moss
Leucobryum albidum — ditto
on moist cliffs at top of South Mountain on Clinton formation (Silurian) abundant; annual layers built up on the dead last year's growth

---

4489 (1) Have never seen this sp. in fruit
Polytrichum — ditto
On same ledges near * 4488
abundant: in fruit.

4490 (1) Moss — ditto
at top of same ledges; in moist drip there: yellow green and very attractive. (on dead bark)

4491 (1) Moss — ditto
In damp dripping place on rocks at top on ledges near * 4490

4492 (1) Moss? — ditto
Growing in same place near * 4490
purplish brown, abundant.

4493 (1) Moss — ditto
On ledges with * 4490.
May be several

4494 Arabis laevigata var. burkii (Muhl.) Poir.
(2) On barren, dry shales below cliffs etc.: abundant here: full bloom.
Short Mt. Va. Massanutten Range, Shenandoah Co. April 24, 1938 H.A. Allard

4495 Mosses
(1) On moist ledges at top of mountain — ditto

4496 Mosses
(1) On moist rocks at top of mountain with # 4495 — ditto

4497 ~~Ribes~~ Grossularia rotundifolia (Michx.) Coville
(3) among rocks on crest of mountain above the ledges; abundant: full bloom. — ditto

4498 Amelanchier ~~laevis~~ canadensis (L.) Medic.
(4) On crest of ridge above ledges; abundant: ~~full~~ past flowering — ditto

4499 Moss
(1) On dry rocks crest of ledges near # 4498 at 2800 ft. abundant — ditto

4500 Moss
(1) on moist ledge at top of mountain on cliffs. — ditto

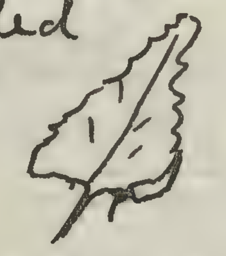
4501 Polytrichum
(1) on soil top of mountain at ledges
Short Mt. Va. Massanutten Range, Shenandoah Co. April 24, 1938 H.A. Allard

4502 Leucobryum albidum
(1) Polytrichum and on ledges (soil) at cliffs. top of mountain — ditto

4503 Leucobryum albidum
(1) and On soil at cliffs on top of mountain — ditto

4504 Leucobryum albidum
(1) and at cliffs on soil. top of mountain. — ditto

4505 Viola emarginata (Nutt.) Le Conte
(2) blue. toothed leaves



On shales well down mountain below cliffs. — ditto

4506 Antennaria neo-dioica Greene
(4) and abundant on barren shales. full bloom. — ditto

4507 Antennaria virginica var. argillicola Stebbins
(2) On shales with # 4506. abundant, below cliffs. — ditto.

~~Alsine~~ ?
Arenaria serpyllifolia L — Short Mt., Va
on shales at — Massanutten Range,
4508 foot of mountain in — Shenandoah Co.,
(1) pasture (dry soil) — April 24, 1938
H.A. Allard.
e

4509 Silene ~~pennsylvanica~~ ? caroliniana Walt — ditto
(1) on dry shales in thin woods
with Cetraria islandica colonies,
scattered over the dry slopes:
full bloom, pink. e

4510 Pinus ~~rigida~~ pungens Lambert — ditto
From top of cliffs where
abundant with P. virginiana. e
Just in bloom: pollen flying:
young pistillate cones beautifully deep rose.

4511 Astragalus distortus T. & G. — ditto
(5) on shales on lower slopes
and half up to cliffs: very abundant; e
full bloom; copious flowering: blue purple:
prostrate, deep, rooted: very showy.

4512 Viola sororia Willd.
(4) On shales of lower slope — ditto
near foot, directly below cliffs.
abundant: full bloom. e
(blue, bearded)

4513
(17) Phacelia covillei S. Wats — In Allard's garden,
These plants came in my — 3000-7th St N.,
wild flower garden spontaneously — corner of 7th & Garfield,
many years ago and has remained — Arlington (Lyon Park)
very abundant (an annual) Flowers — April 26, 1938
early April. Here transplanted — H.A. Allard.
a colony on Broad Run below
Beverley, April 17, 1938

4514
(1) Crataegus rugosa Ashe — Bull Run Mt., Va
anthers red purple; full — Hopewell Gap,
bloom; on high broomsedge — Fauquier Co.
pastures S.W. of cabin Rileys — April 27, 1938
cabin in 1937. S. of Hopewell Gap — H.A. Allard

Crataegus margaretta Ashe — Bull Run Mt., Va
(anthers yellow) — Hopewell Gap,
full bloom; very — Fauquier Co.
4515 showy, dense bushes — April 27, 1938.
6 feet tall: fragrant. — H.A. Allard
abundant here; all in full bloom and
in pasture about Pinus rigida forma globosa
groves. e

4516 Tiarella cordifolia L — ditto
(4) In woods along brook
running in interior valley between 2nd
or middle ridge and easternmost, i.e. along
deeply eroded wood road to Mrs. Ashby's.
4517 abundant here: full bloom; white: Have
found it only here: this my first record in
Bull Run area e

(4) Campe Barbarea ~~vulgaris~~ (L.) W.T. Wright. — ditto
In high pasture back (N.W.) of Owens' house
abundant: full bloom.
deep yellow e

4518 Salix humilis Marsh
2 In pasture below Harris place — ditto
just east of old chimney and
Mulberry tree; abundant: tall 6-9 feet e
shedding seed.

4519 Ranunculus hispidus Michx. — ditto
(1) On bank near # 4516 on
same brook: scattered;
full bloom e

4520 Carex aestivalis Hart
(1) along same brook in — ditto
damp soil with # 4516
scales with reddish margins or near edge. e
abundant.

4521 ~~Juncoides campestre vas~~ Luzula echinata (Small) Hermann — ditto
(1) In moist soil in woods
along brook with # 4516 e
scattered: wide spread
in Bull Run area.
(Ident. & changed by F. J. Hermann)

Ranunculus hispidus Michx. (buttercup) | Bull Run Mt., Va., North of Hopewell Gap Fauquier Co. April 27, 1938 H. A. Allard

4522 along brook in moist soil in woods along brook along eroded interior road many running to Mrs. Ashby's: full bloom. e

4523 Carex artitecta Mack. (2) In dry woods on slope near brook north of Owens near old cabin Rileys lived in. abundant. | ditto e

4524 Scirpus planifolius Muhl. (3) Near # 4523 in dry woods north of Owens and near brook west of where Rileys lived briefly. Not abundant; very attractive. (Ident. by F. J. Hermann) | ditto e

4525 Carex artitecta Mack (1) Dry woods west of swamp where still was located - near Harris Place. abundant. (Ident. by F. J. Hermann) | ditto e

4526 Carex platyphylla Carey (4) Dry slope wooded of ravine below where ~~Harris~~ Rileys lived 1937 south of Hopewell Gap. (Ident. by F. J. Hermann) | ditto e

4527 Carex communis Bailey. (3) Growing near # 4526 Same ravine (Ident. by F. J. Hermann) | ditto e

4528 Azalea nudiflora L (4) On dry rocky slope middle ridge N. of Hopewell Gap across road from cabin Rileys lived in in 1937 briefly. full bloom; abundant. | ditto e

Vaccinium vacillans Kalm | Bull Run Mt. Va North of Hopewell Gap April 27, 1938 H. A. Allard

4529 (3) On rocky ridge crest middle ridge across from cabin (east) of where Rileys lived briefly. abundant: full bloom. e

4530 Gaylussacia baccata (Wang.) K. Koch | ditto (3) Growing near # 4529 same ridge. abundant: full bloom. Flowers deep dull red: when pressed stains paper a rich yellow e

4531 Antennaria plantaginifolia (L.) Richards | ditto (1) On dry wooded slope on way to Harris Place along east slope of middle ridge. e

4532 Silene caroliniana Walt | ditto (1) Growing near # 4531 full bloom: abundant e

4533 Sphenopholis nitida (Spreng.) Scribn. | ditto (1) Growing near # 4531 scarcely in bloom: scattered e

4534 Carex artitecta Mack. | ditto (1) Growing near # 4531 abundant. (Ident. by F. J. Hermann) e

4535 Viola sororia Willd. | ditto (1) blue, bearded. In woods moist, near # 4531, nearer swamp: abundant: full bloom. e

Moss

Bull Run Mt. Va
april 27, 1938
H. A. Allard
N. of Hopewell Gap

4536
(1) On low ground on soil in Laurel swamp on eroded roadway to Miss Ashby's. This swamp between middle and easternmost ridge.

4537
(1) Moss
at base of tree, same swamp with # 4536 — ditto

4538 Sphagnum
(1) In same swamp with # 4537 by brook: abundant here — ditto

4539 Moss
(1) Hypnum
On ground in same swamp with # 4536. — ditto

4540 Senecio aureus L.
9 along brook in swamp ~~near~~ # 4536 – same swamp. abundant: full bloom here; in places growing on rocks in a moss cover. — ditto e

4541 Claytonia virginica L.
(2) In same swamp with # 4536 abundant: full bloom. — ditto e

4542 Geranium maculatum L.
(1) In moist ground at head of brook just west of where Phillips lived above Owens' place north of Hopewell Gap. abundant: full bloom! — ditto

Botrychium virginianum (L.) Sw.

Bull Run Mt. Va
april 27, 1938
H. A. Allard
North of Hopewell Gap.

4543
(1) In same low ground with # 4542 just fruiting. e

4544 Trillium cernuum L.
(2) at spring by quarry on Harris's lands near flagstone quarry: petals white: flowers on long pedicels strongly recurved: very delicately fragrant like ~~Podophyllum~~ — ditto e

4545 Orchis spectabilis. My first record for Bull Run area: half a dozen young plants around the trail to brook; the only ones (3) that would flower. (Tall white ...)
(1) Oak Orchis spectabilis (L.) Rydb.

4546 In same swamp woods with # 4536.
(1) scattered; full bloom. — ditto e

Viola sagittata
petals bearded; blue.
Growing with # 4536.
abundant; full bloom — ditto e

4547
(1) Hepatica ~~acutiloba~~ triloba Chaix.
In same swamp with # 4536. Past flowering long. — ditto e

4548 Podophyllum peltatum L.
(4) In same swamp with # 3542 full bloom. Only after flowers the 3 green bracts are fallen; these can be seen only in immature buds, as they are fugacious and are pushed off with early swelling of the buds — ditto e

4549
(3) arisaema triphyllum (L.) Torr.
In same swamp with # 4542
Some spathes with very deep black purple with whitish lines widening from margin and running down throat converging – solid purple interspaces above. — ditto e

Erigeron pulchellus Michx. Short Mt., Va.
In open field on road Massanutten Range
4550 to Short Mt., and Shenandoah Co.
(3) ½ mile about from it: April 30, 1938
H.A. Allard
abundant; full bloom here; multiplying freely by offsets: rays pale violet. e

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4551 Lathyrus myrtifolius Muhl. e ditto
(9) On steep, dry shale slope near roadway; full bloom: showy; purple flowers. Habitat wrong for myrtifolius. My first acquaintance with this plant.

4552 Draba ramosissima Desv. e ditto
(5) On dry shales south end; abundant: full bloom mostly near cliffs; nearly past bloom, due to lower alt.

4553 ~~Prunus~~ Padus virginiana (L.) Mill. e ditto
(6) On crest of ledges at top on Clinton sandstones (Silurian age) very abundant; full bloom over large patches making masses of white: odor bitterish: More in bloom April 24.

4554 Rubus allegheniensis Porter ditto
(1) (Very glandular)
On side of cliffs at top of Short Mt. e
Not in bloom

4555 Grass Deschampsia flexuosa (L.) Trin. ditto
(2) On cliffs and cliff shelves at top of Short Mt.
Not quite in bloom. e

4556 Carex pennsylvanica Lam. ditto
(1) Under cliff overhang at top of Short Mt. e
abundant: maturing.
(Identified by F. J. Hermann)

~~Carex~~ Fern south end of Short Mt., Va
oxy April 30, 1938
~~Woodsia~~ cliff Shenandoah Co.
4557 overhang at top of mountain H.A. Allard
(1) above shales: ~~abundant everywhere~~
~~: woods: maturing~~ e
: Woodsia obtusa (Spreng.) Torr.

4558 Poa pratensis L. ditto
(1) On shales lower slope in clearing here formerly cultivated
just in bloom. e

4559 Antennaria plantaginifolia (L.) Richards. ditto
(1) at foot of cliffs: abundant e

4560 Potentilla pumila Poir. ditto
(1) at cliffs - foot - in woods etc.: abundant: full bloom. e

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4561 Vaccinium vacillans Kalm. ditto
(3) On shales at foot: full bloom: corolla deep reddish pink. e

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4562 Viola sororia Willd e ditto
(2) (blue, bearded)
On shales proper: abundant; full bloom
very hairy.

4563 Taenidia integerrima ditto e
(5) On dry shales proper, below cliffs: full bloom: abundant.

4564 Graphis laevigata var barkeii p. on tamer shales etc below cliffs: (3) not abundant: past fl. This the one Miss Arts was interested in: probably distinct var. Note narrow leaves. Perhaps R. laevigata var barkeii. 2

South end of Short Mt., Va. Shenandoah Co. Massanutten Range April 30, 1938 H.A. Allard

4565 Cladonia
(1) Peltigera on bank
well up toward peak. walked up to peak starting from Mrs Heinz rd from Mrs Coffelts homes.

Devils Hole Mt., Va. Shenandoah Co. Alleghenies. May 1, 1938 H.A. Allard.

4566 Cladonia
(1) on shales where Iceland Moss grows among thin stand pines etc.
see front of book

South end of Short Mt., Va. Shenandoah Co. Massanutten Range April 30, 1938 H.A. Allard

4567 Cladonia verticillata f. evoluta (Th. Fr.) Stein.
(1) same species as
Growing with * 4566
abundant on thin dry soil with pine needles.
ditto

4568 Cladonias
(1) Same species mainly as 4566; same locality
see front of book
ditto

4569 Cladonia cristatella f. beauvoisii (Del.) Vain.
(1) Red apothecia.
Growing on dry shales near * 4566 with Iceland Moss. scattered
4569a = C. chlorophaea (Floerke) Spreng.
4569b = (See front page)
ditto

4570 Cladonia chlorophaea (Floerke) Spreng.
4570a =
(1) cups Growing on dry shale slopes with * 4566: scattered among Iceland Moss
4570B = Selaginella rupestris (L.) Spreng.
ditto

4571 Cladonia
(1) cup formed with Iceland moss near * 4566
= C. chlorophaea (Floerke) Spreng.

South end of Short Mt., Va. Shenandoah Co. Massanutten Range, April 30, 1938 H.A. Allard.

4572 Various Cladonias
(1) cup-shaped
Red apothecia etc. On shale slopes with Iceland moss
4572b = C. grayi Mer. f. squamulosa Sandst.
see front of book
ditto

4573 Cladonia apodocarpa Robbins in part
(1) Growing abundantly on shale slopes around Iceland moss
Cetraria islandica
ditto

4574 Mostly Cladonia apodocarpa Robbins
(1) Growing with * 4573
ditto

4575 Mostly Cladonia apodocarpa Robbins
(1) Growing with * 4573
ditto

4576 Bromus tectorum L.
(3) very lop, drooping panicles; gray green; very pubescent: just coming into flower. abundant. On roadside on way to Columbia Furnace.

Shenandoah Co., Va. Near Edinburgh, May 1, 1938. H.A. Allard.

4577 Erodium cicutarium (L.) L'Her
(4) Growing along roadside rd in old field near * 4576. abundant: full bloom; flowers deep rose, small.
ditto

4578 (2) Geranium ~~carolinianum~~ molle L. — Shenandoah Co. Near Edinburgh, Va May 1, 1938 H.A. Allard.
On road side near Stony Creek near Columbia Furnace: full bloom. abundant: rose purple flowers.

4579 (1) Sphagnum — Devils Hole Mt., Shenandoah Co. Va west of Edinburgh. May 1, 1938 H.A. Allard
Around spring - a seepage spot well toward foot, west of Mrs. Coffelts beyond Liberty Furnace: a brook from this ran 50 feet then disappeared.

4580 (1) Moss (aquatic) In same cold spring with # 4579. This spring welled from ground beneath a big boulder: very cold. — ditto

4581 (1) Iris verna L. — ditto
On dry soil of rocky slopes near top of Devils Hole Mt., abundant: fresh at top: past lower down.

4582 (5) Caltha palustris L. — ditto
In grassy wet meadow near Columbia Furnace: full bloom: quite a patch. My first acquaintance with this in Va: not since since I was 12-15 years of age - ie 35 years ago or more.

4583 very showy
(5) Acer pennsylvanicum L. — ditto
Growing by spring high up on east slope of Devils Hole Mountain:

4584 full bloom. Drooping racemes of greenish flowers very attractive in contrast with much elongated rose-crimson inner bud scales; abundant in draws.

4585 (1) Mosses — Devils Hole Mountain Shenandoah Co., Va west of Edinburgh about 12-15 miles May 1, 1938 H.A. Allard.
In cold mountain brook on rocks on slope (east)

4586 (1) Moss — ditto
In cold mountain brook lower slope on rocks; submersed

4587 (2) Viola sororia — south end of Short Mt. Shenandoah Co. Va Massanutten Range Near Mt. Jackson May 1, 1938 H.A. Allard
(blue, banded lateral petals) On shales proper: full bloom: abundant: very hairy; a shale species here.

4588 (1) Orobanche uniflora (L.) Britton. Thalesia — ditto
Below ledges: full bloom: near ledges: not on dry shales proper: scattered.

4589 (3) Astragalus distortus T. & G. — ditto
On barren shales here: abundant: full bloom; very showy. passing: mat forming: fl. blue purple at its best April 24, 1938

4590 (2) Scrophularia leporella Bicknell — ditto
abundant on shale barrens; just coming into flower.

4591 (2) Viola sororia willd — ditto
(Blue, banded); very showy, large flowers: light blue.
On ledges on very crest of mountain; highest part 1 miles N. of south end. abundant: full bloom.

4592 (2) Arabis laevigata (Muhl.) Poir
On shales; prefer: abundant: full bloom, just passing.
South end of Short Mt., Va. Massanutten Range, Shenandoah Co., April 30, 1938. H.A. Allard.

4593 (4) Crataegus rugosa Ashe (anthers dark reddish)
On top of cliffs, highest portion of Ridge here: full bloom: abundant. Strong bitterish odor which I dislike. Filaments white.
ditto

4594 (1) Chrysogonum virginianum — ditto
At foot of slope by roadside where we parked: abundant: full bloom; very showy.

4595 (6) ~~Silene~~ Lychnis alba Mill.
On highway, in fields etc: very abundant in places: full bloom: white. Common in Great Valley.
On highway between Front Royal and Marshall, Va. May 1, 1938. H.A. Allard. Fauquier Co.

4596 (6) Azalea viscosa L.
By roadside; one large colony: full bloom: very fragrant: pure white. My first record for Bull Run Mt.
Bull Run Mountain, Va at Hopewell Gap, just west of Antioch. May 1, 1938 H.A. Allard.

4597 (1) Moss
In cold spring under drip of water on rocks well of slope from Mrs. Coffelt's.
Devils Hole Mt., Va. Alleghenies. Shenandoah Co. May 1, 1938 H.A. Allard

4598 (1) Moss
Growing in same spring with ✱ 4597.
ditto

4599 (1) Moss.
In drip of cold spring on rocks, well of slope.
Devils Hole Mt. Va. Alleghenies Shenandoah Co. May 1, 1938 H.A. Allard west of Edinburgh 14 miles

4600 (1) Mosses
Growing beside ✱ 4599 in same spring run off.
ditto

4601 (1) Truly aquatic lichen
Hydrotheria venosa Russell, ditto
First described by Russell from material found in July, 1853 in spring brook on Bald Knob, Vt., near Dummerston. See Proc. Essex Inst. vol. 1, 1848–1856. pp. 188–191.
Truly aquatic, fruiting abundantly, entirely under water.

4602 (2) Moss, Fontinalis novae-angliae
Strong pungent odor. Not ref. fm Va.
Truly aquatic growing with ✱ 4601. ditto
This on a very steeply inclined rock near top of drain high up on slope near shale slope; ~~with~~ hid several inches of water blurred near; very cold, pure spring water: completely submersed.

4603 (1) Moss.
Growing on rocks in drip and water with ✱ 4600.
ditto

4604 (1) Lichen
Peltigera
On shales among colonies of Cetraria islandica.
South end, Short Mt., Va. Massanutten Range, Shenandoah Co. April 29, 1938 H.A. Allard

4605 (1) Lichen Peltigera
On dead wood on crest above cliffs at highest point of ridge.
ditto

4606 Moss. on shales with Cetraria islandica
(1)
South end of Short Mt., Va
Massanutten Range,
Shenandoah Co.
April 30, 1938
H.A. Allard.

4607 A
" B
" C
Mosses. on shales with Cetraria islandica in thin open woods on steep slope here.
ditto

4608 A
" B
Mosses. growing on cliffs top of south end
(1)
ditto

4609 (2) Moss
On shales with Cetraria islandica
ditto

4610 A = Selaginella rupestris e
4610 B = Moss
on bare rocks at top of cliffs abundant here, and same on shale outcrops below.
ditto

4611 (2) Euphorbiaceae.
at foot of Mt by roadside in woods, with # 4594
= Tithymalus obtusatus (Pursh) Kl. e
ditto

4612 (3) Carex plascowarthii Dewey
came in spontaneously beside concrete walk.
3000 - 7th St. N., Arlington, Va
(Ident by F. J. Hermann)
Allard's garden,
Arlington,
Arlington Co. Va
May 5, 1938
H.A. Allard.

4613 (1) Peltigera polydactyla (Neck.) Hoffm
on rocks at Coffelt's spring at foot of Sugar Mt on Little Stony Creek.
silver grey in color
Devil's Hole Mt., Va
Alleghenies -
Shenandoah Co.
May 8, 1938
H.A. Allard
4613 b = Peltigera horizontalis (Huds.) Baumg.
4613 a = Thuidium recognitum (Hedw.) Lindb. e

4614 (1) Cladonia mateocyathea Robbins
on soil Little
Farther up Stony Creek. beyond # 4613 2 miles e
4614 a = C. strepsilis f. f. - coralloidea (Ach.) Vain and glabrata Vain
ditto

4615 (1) Cladonia on soil.
Near # 4614
= C. piedmontensis f. squamulosa Robbins
ditto

4616 (1) Cladonia squamosa (Scop.) Hoffm.
Near # 4614, woods road on Little Stony Creek.
ditto

4617 (1) Cladonia squamosa (Scop.) Hoffm
Near # 4614
4617 a = C. coniocraea f. ceratodes (Flörke) Vain, (mostly)
ditto

4618 (1) Cladonia squamosa (Scop.) Hoffm.
Near # 4614 same locality
= C. squamosa f. lenicorticata m. rigida (Del.) Evans,
i.e. C. squamosa f. rigida Del. accord to Sandstede
ditto

4619 (1) Cladonia
same locality near # 4614
- C. squamosa (Scop.) Hoffm.
ditto

Cladonia — Devils Hole Mt. Va, Shenandoah Co., Allegheníes — May 8, 1938, H.A. Allard.

4620 on soil in woods in bank on Little Stony Creek
(1)
= C. squamosa (Scop.) Hoffm.

4621 Cladonia squamosa (Scop.) Hoffm. — ditto
(1) on soil in woods with # 4620

4622 Cladonia — ditto
(1) Growing with # 4620
4622 = Parmelia sublaevigata Nyl.
4622a = Parmelia caperata (L.) Ach.

4623 Cladonia — ditto
(1) Growing with # 4620
= C. papillaria molariformis (Hoffm.) Schaer.

4624 Cladonia — ditto
(1) Growing with # 4620
= C. strepsilis P.P! f. coralloidea (Ach.) Vainio.

4625 Cladonia — ditto
+4625a
(1) Growing with # 4620
Both = C. papillaria f. molariformis (Hoffm.) Schaer.

4626 Cladonia squamosa (Scop.) Hoffm. — ditto
(1) Growing with # 4620

4627 Cladonia — Devils Hole Mt. Va, Shenandoah Co., Allegheníes, May 8, 1938, H.A. Allard
(1) Growing on bank by roadside on Little Stony Creek.
= C. papillaria f. molariformis (Hoffm.) Schaer

4628 Tragopogon porrifolius L. — Roadside near Strasburg Va; Shenandoah Co.; May 8, 1938; H.A. Allard
(3) By roadside near Strasburg. Valley Pike; very abundant here; full bloom in morning; closed P.M. very showy lavender purple heads

4629 ~~Silene~~ Lychnis alba Mill — near Front Royal; Shenandoah Co. May 8, 1938; H.A. Allard
(4) white flowered. By roadside; full bloom. Very abundant by roadside on road to Marshall; fresh opened in morning.

4630 Umbellifer = Zizia aurea (L.) Koch — Near Strasburg, Va on road near Signal Knob from Front Royal; Shenandoah Co., May 8, 1938, H.A. Allard
(3) yellow flowered. In damp soil near bridge; full bloom abundant in swamp here.

4631 Oenothera laciniata Hill — Devils Hole Mountain, Shenandoah Co., Allegheníes, May 8, 1938, H.A. Allard
yellow flowered, when pressed reddish; in old pasture just before Mrs. Coffelts; very abundant here.

4632 Salvia lyrata L — ditto
(3) very abundant in old field near Mrs. Coffelts; very abundant here; blue; full bloom

4633 Houstonia ~~purpurea~~ caerulea L — ditto
(1) In same field with # 4632 very abundant, in old or wood roads along Little Stony Creek; full bloom.

4634 Houstonia tenuifolia Nutt. — Devils Hole Mountain, Va, Shenandoah Co., Alleghenies.
On wood road far up Little Stony Creek; full bloom; sparse here. May 8, 1938 H.A. Allard. e

4635 ~~Viola canadensis~~ conspersa Reichenb.
(1) small blue violet with stems; blue, bearded. ditto
In wood road near #4634; rare; only one plant seen. (glabrous) e

4636 (3) Chrysogonum virginianum L.
On wood road by Little Stony Creek near Mrs. Coffelts; abundant; full bloom. ditto e

4637 (4) Erigeron pulchellus Michx.
Large patch well up wood road north of Mrs. Coffelts on Little Stony Creek: full bloom; slender runners 1 foot long. ditto e

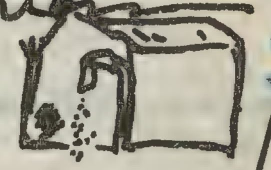
4638 (8) Euphorbia lathyrus (L.) Hill. ~~Tithymalopsis~~
Between Mrs. C.A. Hines and Mrs. C.A. Coffelts: abundant by roadside here; full bloom. ditto e

4639 Sphagnum
By wood road far up Little Stony Creek in woods where a seepage spot. ditto

4640 (4) Pentstemon ~~hirsutus~~ pallidus Small. Near starting by roadside before #4630 grew: abundant here; full bloom. e
Pale pinkish lavendar, abundant by roadside toward Shenandoah River here. Shenandoah Co. ~~Massanutten~~ May 8, 1938. H.A. Allard.

4641 Moss on soil, whole green like Leucobryum albidum. — Devils Hole Mt., Va, Alleghenies, Shenandoah Co. May 8, 1938 H.A. Allard.
(1) Far up wood road toward Mill Mt. along Little Stony Creek, beyond Mrs. C.A. Coffelts. Color a very light glaucous green.

4642 Moss light green, filmy. ditto
(1) On wet wood vertical wall of outbuilding in Mrs. C.A. Hines' yard, receiving splash from a permanently running stream from pipe from spring.



4643 Carex cephalophora Muhl.
(1) On bank of wood road, ~~near where we parked car~~ on damp bank near Mrs. Hines. e ditto Mill Mt.
C. cephalophora (Ident. by F. J. Hermann)

4644 Carex convoluta Mack. e ditto
(1) Growing near #4643 (Ident. by F. J. Hermann)

4645 (2) ~~Juncoides~~ Luzula echinata (Small) Hermann. ditto
well up wood road along Little Stony Creek toward Mill Mt. (Ident. by F. J. Hermann) e

4646 (4) Carex texta Boot. e ditto
with purple lines on perigynia. In wet soil of mountain brook flowing into Little Stony Creek near Mill Mt., where we ate lunch. (Ident. by F. J. Hermann)

4647 Carex blanda Dewey. e ditto
(1) On wood road beyond Mrs. C.A. Coffelts on Little Stony Creek. (Ident. by F. J. Hermann)

~~Juncoides~~) Devils Hole Mt., Va
on banks by woodroad Alleghenies.
near Woodstock Shenandoah Co
4648 reservoir on Little Stony Creek May 8, 1938
(1) Luzula echinata (Small) Hermann.) H.A. Allard.
(Ident. by F. J. Hermann)

4649 Houstonia caerulea L. e
(1) On bank along wood road on Little Stony Creek near Woodstock reservoir: abundant on wood roads here; full bloom; cd. on many banks of brooks in woods; full [illegible] ditto

4650 Arenaria serpyllifolia L. e
(1) In old field above Mrs. Coffelt's: abundant: full bloom. ditto
4650 A: Solidago bootii Hook.

4651 Carex communis Bailey e ditto
(2) In woods on old woodroad west of Little Stony Creek 1 mile, on our walk toward western ridge: but road ended. (Ident by F. J. Hermann)
4651A = Vitis cordifolia Michx.

4652 ~~Barbarea~~ Campe verna (Michx.) Weller. ditto
(1) By brook on Little Stony Creek above C. A. Coffelts. full bloom e
4652 A: Solidago bicolor L.: e

4653 Solanum dulcamara L. Allard's Garden
(4) on ditch bank: abundant: Arlington Co., full bloom: fl. deep purple. Arlington, Va. 3000-7th St. N. e
May 10, 1938
H.A. Allard

4654 Gramineae
(4) In damp shaded portion under mulberry trees: just in bloom; abundant here. e
= Poa palustris L.

Mosses Devils Hole Mt. Va
Mostly Sphagnum Shenandoah Co
4655 on side of woodroad. Alleghenies.
(3) Little Stony Creek mill May 8, 1938
of toward Mill Mt., Va. H.A. Allard.
in damp seepage spot.

4656 Scutellaria leonardii Epl. ~~parvula~~ underground stems [illegible] Southend of Short Mt. Va
(5) moniliform tubers [illegible] Massanutten Range
On shales at foot of May 12, 1938.
roadside in weedy open H.A. Allard.
place where we park car - is e
at foot of slope where Cetraria islandica
4657 occurs: locally abundant here: full bloom. ~~underground stolons with moniliform tubers~~ ditto
(1) Houstonia tenuifolia Nutt.
On shale slope with Cetraria islandica ditto
scattered: full bloom. e

4658 Isatis tinctoria L. (Warren Co)
(5) At end of bridge at Riverton on route to Strasburg, Va. a patch here, some yellow: [illegible], leaves sessile, glabrous, glaucous, auriculate; pods pendent, wedge obovate ditto e
4659 ½ in long; abundant. Adv. from Europe. Not in Gray or Britton. My first acquaintance with this.
(10) Tragopogon dubius Scop. var major (Jacq.) Vollman. ditto
fl. yellow. Marts 9-12. on valley Pike abundant by roadside near Woodstock and Edinburgh: full bloom, my first acquaintance with this. Not recorded from Va; Recorded from Cal. & Col. e

4660
(4) Tragopogon porrifolius L. ditto
Near Woodstock; abundant all down Valley Pike from Strasburg to Mt. Jackson at least: full bloom: open in morning; closed after noon: full blooming; flowers lavender purple.
4661
(1) Cetraria islandica (L.) Ach. e ditto
On shales on slope near road where we parked facing south - covered with open stand mostly of Pinus virginiana; some P. pungens

Mostly Cetraria islandica with some Cladonia rangiferina col a very little " sp (greenish) — south end of South Mt, Va. May 12, 1938. Shenandoah Co., Massanutten Range.

4662 on shale slope near road way where we park.
(1) On Martinsburg shales (Ordovician) here at foot of slope; all very abundant. — e

4663 Mostly Cetraria islandica with Cladonia rangiferina (gray)
(2) and C. (green sp.)
Growing with * 4662. all very abundant. — e — ditto

4664 Cladonia (green sp.)?
(1) either tenuis or C. sylvatica
Growing with * 4663.
very abundant here — ditto

4665 A = Cetraria islandica — e
4665 B = Cladonia (red apothecia)
4665 C = " (cups) :
Growing with * 4663, — ditto

4666 A = Cladonia rangiferina
4666 B = " (greenish) :
4666 C : " (red apothecia) (very little of it)
Growing on shales with * 4663 — ditto

4667 Peltigera sp.
(1) abundant on shales where * 4663 grows. — ditto

4668 Leucobryum albidum
(1) on shales with * 4663
as a common species here. — ditto

Papaver dubium L. — Great Valley of Virginia, Shenandoah Co., Near Strasburg, VA. May 12, 1938. H.A. Allard.

4669 By roadside all along from Strasburg at least
(3) to Mt. Jackson etc.;
abundant: full bloom — e

4670 Lepidium draba? campestre (L.) R. Br.
(7) Roadside near * 4669.
abundant: still flowering but passing to seed. May be campestre. — e — ditto

4671 Camelina microcarpa Andrz. — ditto
(1) Growing with * 4669: abundant
Going to seed. — e

4672 Lithospermum arvense L. — ditto
(3) Growing near * 4669: abundant:
passing — e

4673 Pentstemon hallidus Small — south end of Short Mt., Va
(1) Massanutten Range, Shenandoah Co., May 12, 1938. H.A. Allard — e
On shale barrens among pines with * 4662 etc. or here Cetraria islandica etc. grows; scattered. Full bloom.

4674 Rhus canadensis var. illinoensis (Schmaltzia crenata (Rydb.)) Greene. — e — ditto
(2) Note leaves grey coarsely crenate not cut toothed as in typical canadensis.
On shales with Cetraria islandica colonies abundant.

4675 Amelanchier canadensis (L.) Medic. — ditto
(3) On shales with * 4674.
(very pubescent) — e

4676 Carex prasina Wahl. Pond Mt., Va
Just above Mill between south of Thoroughfare Gap.
millrace and Broad Run. Fauquier Co.
Low flood plain under trees: damp soil May 15, 1938.
(1) H. A. Allard.
(Ident. by F. J. Hermann)
e

4677 Krigia dandelion (L.) DC. At Beverley Mill,
Growing with * 4676 Thoroughfare Gap,
abundant in a colony here: May 15, 1938
a single small tuber size of a pea H. A. Allard
below crown, fl. yellow: full flowers Fauquier Co.

4678 Carex blanda Dewey e
(1) Growing with * 4676. ditto
(Ident. by F. J. Hermann)
e

4679 Carex grisea Wahl.
(1) Growing with * 4676 ditto
(Ident. by F. J. Hermann)
e

4680 = Carex blanda Dewey
and Carex grisea Wahl. 4684
(1) Growing with * 4676 ditto
(Ident. by F. J. Hermann)
e

4681 Carex stipata Muhl.
(1) Growing with * 4676 ditto
(Ident. by F. J. Hermann)
e

4682 Carex blanda Dewey.
(1) Growing with * 4676 ditto
(Ident. by F. J. Hermann)
e

4683 Carex laxiculmis (Kükenth.?) At Beverley Mill,
Growing with * 4676 Fauquier Co.;
(1) Thoroughfare Gap
May 15, 1938
H. A. Allard.
(Ident. by F. J. Hermann)
e

4684 Gramineae Poa trivialis L.
Growing in damp soil by ditto
(1) Broad Run in shade of trees:
a flood plain between creek
and mill race.
e

4685 Carex blanda Dewey.
(1) Growing with * 4684 ditto
(Ident by F. J. Hermann)
e

4686 Carex grisea Wahl. Pond Mt., Va
(1) In rich woods South of Thoroughfare Gap
on slope near road Fauquier Co.
on high way 55 just May 15, 1938 e
south of Thoroughfare Gap. H. A. Allard
all of 1 clump. G. (Ident by F. J. Hermann)

4687 Carex grisea Wahl.
(1) all from clump
Growing with * 4686 ditto
(Ident. by F. J. Hermann)
e

4688 Carex rosea Schkuhr. Thoroughfare Gap
(1) above the Mill growing with Bull Run Mt., Va
* 4676 May 15, 1938
(Ident by F. J. Hermann) H. A. Allard
e

4689 Stellaria longifolia (Muhl.) Britton
(1) Growing with * 4676. ditto
e

Convolvulus spithamaeus L. Pond Mt., Va
Fauquier Co.
May 15, 1938
H. A. Allard.
4690 In old field just east of Pond Mts and south of Thoroughfare Gap; abundant; full bloom. (2) south of Thoroughfare Gap e

4691 Carex blanda Dewey ditto
(3) All from clump H. In low rich woods on wooded slope just south of highway 55.
(Ident. by F. J. Hermann) e

4692 Papaver ~~rhoeas~~ dubium[2] L. ditto
(6) On Railroad at Beverley Mill: abundant: passing bloom. e

4693 Boraginaceae
Lithospermum arvense L. ditto
(3) Growing along railroad with # 4692. abundant; full bloom. e

4694 Arenaria serpyllifolia L. ditto
(1) Along railroad with # 4692
Very abundant in cinders etc; full bloom: no competition here apparently.
Grows in dry fields where little competition. e

4695 Rumex acetosella L. ditto e
(1) At Beverley Mill by railroad.
Near everywhere abundant: full bloom reddening the old fields.

4696 Thalaspi arvense
(1?) Along railroad at Beverley Mill ditto
(11) Thoroughfare Gap: very abundant here: passing. My first record for Bull Run area.[2] e

Osmorhiza longistylis var. villicaulis Blake's var.[2] Yes. Pond Mt., Va
south of Thoroughfare Gap,
Fauquier Co.,
May 15, 1938
H. A. Allard.
4697 abundant and in full bloom near
(3) highway 55 at Thoroughfare Gap in Pond Mt., in low damp rich woods. e

4698 Carex grisea Wahl. ditto
(2) All from clump A.
Growing in low rich woods on slope just south of highway 55. e
(Ident. by F. J. Hermann)

4699 Carex debilis Michx. ditto
(2) All from clump B.
Growing near # 4698 e
(Ident. by F. J. Hermann)

4700 Carex incomperta Bickn. ditto
(5) Growing in same low rich woods with # 4698. e
All from clump C.
(Ident. by F. J. Hermann)

4701 Carex grisea Wahl. ditto
(2) All from clump K. e
Growing with # 4698
(Ident. by F. J. Hermann)

4702 Moss
(1) On stone near # 4698 ditto

4703 Moss
(1) On old log near # 4698 ditto

Carex rosea Schkuhr. In moist rich woods near highway 55 at Thoroughfare Gap. | Pond Mt. Va Fauquier Co., May 15, 1938 H.A. Allard.
4704 (1) (Ident. by F. J. Hermann)

4705 (1) Carex grisea Wahl. Growing with * 4704 (Ident. by F. J. Hermann) | ditto

4706 (5) Carex grisea Wahl. All from same clump D. Growing with * 4704 (Ident by F. J. Hermann) | ditto

4707 (1) Carex grisea Wahl. Plant E. Growing with * 4704 (Ident. by F. J. Hermann) | ditto

4708 (1) Carex grisea Wahl Growing with * 4704 ~~(Ident by F. J. Hermann)~~ | ditto

4709 (1) Lepidium ~~draba~~ campestre (L.) R. Br. By railroad at Beverley Mill: scattered here: passing. fl. white. | ditto

4710 (1) Geranium carolinianum L var. confertiflorum Fern. Growing with * 4676 on flood plain of moist soil in shade of trees between Broad Run and the mill race just above Beverley Mill - full bloom. | ditto

Camelina microcarpa Andrz. just above Beverley Mill by railroad; passing. fl. yellow | Bull Run Mt. Va Fauquier Co., May 15, 1938 H.A. Allard
4711 (1)

4712 (2) ~~Barbarea vulgaris~~ = Campe verna (Mill.) Heller. Above Beverley Mill growing with * 4710: abundant: passing. | ditto

4713 (1) Carex grisea Wahl Growing with * 4710 (Ident. by F. J. Hermann) | ditto

4714 (3) Scutellaria serrata Andrz. Growing in Pond Mts in rich shaded woods on slope near Thoroughfare Gap. Not abundant: full bloom in large clumps: perennial. fl. ~~deep~~ blue: lower petio corolla white: handsome species. | ditto

4715 (2) Botrychium virginianum (L.) Sw Growing with * 4714: abundant: Not quite mature. | ditto

4716 (2) Smilacina racemosa (L.) Morong. Vagnera Growing with * 4714 abundant: full bloom. | ditto

4717 (2) Polygonatum commutatum (R. & S.) Dietr. In Pond Mts with * 4714 abundant: full bloom. | ditto

Ranunculus bulbosus L. Pond Mt., Va Fauquier Co., May 15, 1938 H.A. Allard.

4718 abundant: a sheet of yellow in a low (3) meadow west of ridges and just south of Thoroughfare Gap. full bloom. e

4719 Trifolium hybridum L ditto
(3) pasture near # 4718: abundant: full bloom
fl. deep pink. e

4720 Carex laevivaginata (Kükenth.) Mack ditto
(3) wet ground by spring brook in old field south of Thoroughfare Gap 1½ mi.
(Ident. by F. J. Hermann) e

4721 Carex rosea Schkuhr. ditto
(3) Same loc. with # 4720
abundant. (Ident. by F. J. Hermann) e

4722 ~~Scirpus~~ Juncus effusus var. solutus Fern. et Wieg. ditto
(1) In bog south of Thoroughfare Gap near # 4720 (Ident. by F. J. Hermann)
Not quite in bloom. e

4723 Carex laevivaginata (Kükenth.) Mack. ditto
(1) Same spot in old field near # 4720
(Ident. by F. J. Hermann) e

4724 Lepidium campestre (L.) R. Br. ditto
(2) old field near # 4720 e

Geranium carolinianum L. Pond Mt., Va Fauquier Co. May 15, 1938 H.A. Allard.

4725 In old field near woods west slope
(6) about 1½ miles from highway # 55. abundant: full bloom e

4726 Gramineae: Glyceria striata (Lam.) Hitch. ditto
(1) In wet ground in old field near # 4720; seepage spot. e

4727 Geranium carolinianum L ditto
(3) very hairy
In old field near # 4720.
var. confertiflorum Fern. e

4728 Carex cephalophora Muhl. ditto
(1) In old pasture near cabin; west slope near woods about 2 miles south of Thoroughfare Gap
(Ident. by F. J. Hermann) e

4729 Carex muhlenbergii var. enervis Boott. ditto
(1) In wet seepage spot on pasture hillside near # 4728 (Ident. by F. J. Hermann) e

4730 Carex lurida Wahl. ditto
(1) wet slough in old ~~field~~ pasture; seepage from spring on west slope; near # 4728
(Ident. by F. J. Hermann) e

4731 Carex hirsutella Mack ditto
(1) Growing beside # 4730
(Ident. by F. J. Hermann) e

4732 (1) Panicum depauperatum Muhl. In dry pasture, on west slope 2 miles south of Thoroughfare Gap. — Pond Mt., Va, Fauquier Co., May 15, 1938, H.A. Allard. e

4733 (1) Carex hirsutella Mack. In dry pasture, west slope near # 4732 (Ident. by F. J. Hermann) — ditto e

4734 (1) Carex hirsutella Mack. ~~In dry~~ field with # 4732 (Ident. by F. J. Hermann) — ditto e

4735 (1) Moss (bright yellowish green: very beautiful) In wet seepage spot in old pasture near woods, west slope. — ditto

4736 (1) Carex flaccida Dewey. In dry woods west slope ~~where~~ we left field on return; about 2 miles south of Thoroughfare Gap (Ident. by F. J. Hermann) — ditto e

4737 (1) Sphenopholis ~~intermedia~~ nitida (Spreng.) Scribn. In woods west slope near # 4736. abundant: but in scattered clumps. Just in bloom — ditto e

4738 (6) Salvia lyrata L. In flood plain beside Broad Run just above Beverly Mill, Thoroughfare Gap abundant: full bloom. fl. blue, showy. — ditto e

4739 (2) Vicia ~~sativa~~ angustifolia L. On Broad Run just above Beverly Mill along railroad and on flood plain. abundant: full bloom: fl. purple. — Bull Run Mt., Va, Fauquier Co., May 15, 1938, H.A. Allard. e

4740 (1) ~~Draba~~ Lepidium campestre (L.) R. Br. Growing with # 4739. abundant: — ditto e

4741 (3) Rosa multiflora Thunb. One bush by railroad just above Beverly Mill; in full bloom: fl. white — ditto e

4742 (1) (cont.) Barbarea vulgaris (L.) R. F. Wright. Growing with # 4738 abundant: full bloom: fl. yellow. — ditto e

4743 (4) Panicum boscii Poir. Came in spontaneously; abundant: flowering now. nodes retrorsely hairy. — Allard's Rock garden, Arlington, Va, Arlington Co. May 20, 1938 H.A. Allard.

4744 (3) ~~Stellaria~~ Alsine longifolia (Muhl.) Britton. On low flood plain (shaded) along Broad Run just above Beverly Mill abundant: full bloom. — Bull Run Mt., Va, Thoroughfare Gap, Fauquier Co. May 22, 1938 H.A. Allard. e

4745 (2) Callitriche palustris L. In pools in open meadow along Broad Run above Thoroughfare Gap at left of R.R. and below bridge on highway leading from route 55 to Hopewell Gap: abundant here. — ditto e

Silene antirrhina L
var?

Bull Run Mt., Va
Thoroughfare Gap
Fauquier Co.
May 22, 1938
H. A. Allard.

4746
(3) On railroad bank just
above Broad Run station;
sticky internode sections;
petals very small; in bloom. e

4747 Crucifer Brassica juncea (L.) Cosson ditto
(4) By railroad growing near # 4746:
abundant here; full bloom: fl. yellow;
my first find of this in Bull Run Mt. area. e

4748 ~~Brassica juncea~~ Sisymbrium officinale L. ditto
var. leiocarpum DC.
(1) On railroad at Beverley Mill:
abundant here: full bloom.
fl. yellow. e

4749 Bromus tectorum L ditto
(2) On railroad at Beverley Mill;
very abundant here and in waste places e
throughout.

4750 Sisyrinchium graminoides Bicknell ditto
(1)
On Broad Run flood plain
just above Beverley Mill: abundant; e
full bloom.

4751 Carex blanda Dewey ditto
(1) On Broad Run flood plain just
above Beverley Mill in shade. e
(Ident. by F. J. Hermann)

4752 Carex blanda Dewey ditto
(1) Same locality with # 4751 e
(Ident. by F. J. Hermann)

Carex blanda Dewey

Bull Run Mt., Va
Thoroughfare Gap,
Fauquier Co.,
May 22, 1938
H. A. Allard.

4753 Same locality
with # 4751
(1)
(Ident. by F. J. Hermann) e

4754 Carex blanda Dewey ditto
(2) all from one clump A.
same locality with # 4751 e
(Ident. by F. J. Hermann)

4755 Carex lucida Wahl. e ditto
(1) same locality with # 4751
(Ident. by F. J. Hermann)

4756 Carex blanda Dewey e ditto
(1) Same locality with # 4751
(Ident. by F. J. Hermann)

4757 Carex blanda Dewey ditto
(1) On Broad Run flood plain e
just above Beverley Mill.
(Ident. by F. J. Hermann)

4758 Carex blanda Dewey e ditto
(1) Growing with # 4757
(Ident. by F. J. Hermann)

4759 Carex blanda Dewey e ditto
(1) Growing with # 4757
(Ident. by F. J. Hermann)

Moss

Bull Run Mt., Va
Thoroughfare Gap
Fauquier Co.
May 22, 1938
H. A. Allard.

4760 On sandy bank just above water on Broad Run just above Beverley Mill. e
(1)

4761 Rumex crispus L ditto
(1) along railroad just above Beverley Mill: abundant. e e

4762 Agrostemma githago L ditto
(2) By railroad above Beverley Mill: abundant at Thoroughfare Gap: full bloom in waste ground. e

4763 Papaver rhoeas dubium L. ditto
(3) Growing abundantly all along railroad through Thoroughfare Gap Full bloom, e

4764 Onoclea sensibilis L e ditto
(1) Low damp spot on railroad bank at Thoroughfare Gap above Beverley Mill; abundant

4765 Carex gynandra Schwein e ditto
(3) Low wet spot below sprouting spring, at Thoroughfare Gap just above Beverley Mill. (Ident. by F. J. Hermann)

4766 Panicum ~~[illegible]~~ commutatum Schult. ditto
(2) wooded slope at sprouting e spring, Thoroughfare Gap.

4766a - Panicum microcarpon Muhl.

All higher plants and mosses entered under families (in envelope) to end of this book, ie 4766 inc., July 19, 1940.

All higher plants not Bull Run card indexed March 1941.

All plants in book, except mosses, lichens, liverworts, from Bull Run area now card indexed March 10, 1941.

~~symbol~~ = check with cards of index.

Everything in this book but liverworts, fungi, mosses, hepatics card indexed March 11, 1941.

Rattlesnake Mt. Fauquier Co.

Overtop Mt. " "

Walker Mt. near Deerfield Augusta Co.

Elliott Knob. Augusta Co.

Buck Mt. Fauquier Co.

Short Mt. (Massanutten Mts.)

Smoke Cave Pendleton Co. W Va

Gunpowder ~~Mt.~~ cave " " " "

Cove Mountain " " " "

North Fork Mt. " " " "

Round Knob.

Red Oak Mountain Fauquier Co. Va.

Three Top Mountain Shenandoah Co. Va

Great North Mt. " " "

Little North Mt. " " "

Spruce Knob. W. Va. Pendleton Co.

Nelson Rocks near Circleville W. Va.

Gaskin
Cox

Corum's place